

## List of academic publications by Hannes Tammet, November 2009

(scientific papers incl. conference abstracts and patents,  
university textbooks and manuals)

1. Tammet, H.F. (1957) Primenenie koronnogo razryada dlya ionizirovaniya vozdukha (in Russian, transl.: Application of corona discharge in air ionization). *2-oe nauch. soveshch., posveshch. fiziol. deïstviyu i terapevt. primeneniya aëroionov. Tez. dokl.*, Izd. AN Latv. SSR, Riga, pp. 97–98.
2. Tammet, H.F. (1958) Koronnyï aëroionizator (in Russian, transl.: Corona air ionizer). USSR Patent No. 115904, Class 21g,28/02, Prior. 15.04.58.
3. Reinet, J.J. and Tammet, H.F. (1959) Aërozol'-ionizator (in Russian, transl.: Aerosol ionizer). USSR Patent No. 123636, Class 21g,21/01, Prior. 24.11.58.
4. Reinet, J.J., Tammet, H.F. and Valt, L.O. (1959) O metodakh unipolyarnogo ionizirovaniya vozdukha posredstvom aëroionizatorov (in Russian, transl.: On the methods of unipolar air ionization with air ionizers). *Radiotekhnika i elektronika* **4**, 1335–1338.
5. Tammet, H.F. (1959) Portativnyï koronnyï ionizator (in Russian, transl.: Portable corona air ionizer). USSR Patent No. 122642, Class 42m,33/05, Prior. 01.12.58.
6. Tammet, H.F. (1959) Primenenie koronnogo razryada dlya ionizirovaniya vozdukha (in Russian, transl.: Application of corona discharge in air ionization). In *Vopr. kurortologii*, Riga, **5**, pp. 53–59.
7. Prüller, P. and Tammet, H. (1960) *Mõõtmisvigade arvutamine (in Estonian, transl.: Calculation of measurement errors)*. Tartu.
8. Tammet, H.F. (1960) K teorii aspiratsionnykh schetchikov aëroionov (in Russian, transl.: Contribution to theory of aspiration counters of air ions). *Izv. Acad. Nauk ser. geofiz.*, 1263–1270.
9. Tammet, H.F. (1960) K voprosu sozdaniya aëroionizatorov i ionometrov dlya shirokogo vnedreniya aëroionoterapii (in Russian, transl.: Contribution to the problem of design of air ionizers and ion meters for wide application in air ion therapy). *Vses. konf. po aëro- i gidroaëroionizatsii. Tez. dokl.*, Tashkent, pp. 144–145.
10. Tammet, H.F. and Sepper, E.V. (1960) K teorii élektrostaticheskogo flyuksmetra (in Russian, transl.: Contribution to theory of electrostatic fluxmeter). *Tr. Main Geophys. Observ.* **97**, 97–100.
11. Prüller, P. and Tammet, H. (1961) *Vychislenie pogreshnostei izmerenii (in Russian, transl.: Calculation of measurement errors)*. Tartu.
12. Tammet, H.F. (1961) Optimal'nye parametry i rezhim raboty aspiratsionnykh schetchikov aëroionov (in Russian, transl.: Optimum parameters and regime of aspiration counters of air ions). *Tez. dokl. vses. nauch. meteorol. soveshch., sekts. priborov i metodov nablyudenii*, Leningrad, pp. 55–56.
13. Tammet, H.F. (1962) Analiticheskii metod obrabotki nablyudenii pri izuchenii raspredeleniya aëroionov po podvizhnostyam (in Russian, transl.: Analytical method of data processing in the investigation of air ion mobility distribution). *Tr. Main Geophys. Observ.* **136**, 103–110.
14. Tammet, H.F. (1962) Iskazhayushchie éffekty v aspiratsionnykh schetchikakh aëroionov (in Russian, transl.: Distortions in aspiration air ion counters). *Izv. Acad. Nauk ser. geofiz.*, 845–853.
15. Tammet, H.F. (1962) K voprosu sozdaniya aëroionizatorov i ionometrov dlya shirokogo vnedreniya aëroionoterapii (in Russian, transl.: Contribution to the problem of design of air ionizers and ion meters for wide application in air ion therapy). In *Aëroionizatsiya i gidro-aëroionizatsiya v meditsine*, Tashkent, pp. 250–256.

16. Tammet, H.F. (1962) Schetchik aéroionov (in Russian, transl.: Air ion counter). USSR Patent No. 151071, Class 42i 20/01, Prior. 13.10.61.
17. Tammet, H.F. and Salm, J.J. (1962) Ionizirovanie vozdukha bol'shikh pomeshchenii posredstvom provolochnykh antenn, vklyuchennykh k apparatu dlya franklinizatsii (in Russian, transl.: Air ionization in large rooms with with wire antenna connected to a Franklinization apparatus). *Gigiena i sanitariya*, 93–93.
18. Reinet, J.J., Tammet, H. and Salm, J.J. (1963) K metodike izucheniya ionizatsii vozdukha v kurortologii i fizioterapii (in Russian, transl.: On the study of air ionization in health resorts and physiotherapy). *Mater. I resp. sezda fizioterapevtov i kurortologov USSR, posv. 100-letiyu so dnya rozhd. prof. A.E. Shcherbaka*, Kiev, pp. 124–124.
19. Tammet, H.F. (1963) Induksionnaya élektrizatsiya pri raspylenii zhidkosti (in Russian, transl.: Electrization by induction by atomization of liquids). *Acta Comm. Univ. Tartu* **140**, 90–95.
20. Tammet, H.F. (1963) K voprosu o skhemakh vklyucheniya aspiratsionnykh schetchikov aéroionov (in Russian, transl.: Contribution to the problem of electrical circuits of air ion counters). *Tr. Main Geophys. Observ.* **146**, 71–74.
21. Tammet, H.F. (1963) Optimal'nye parametry aspiratsionnykh schetchikov aéroionov (in Russian, transl.: Optimum parameters of air ion counters). In *Tr. vses. nauch. meteorol. soveshch.*, Leningrad, **9**, pp. 322–328.
22. Tammet, H.F. (1963) Udalenie ionov ot aéroionizatorov (in Russian, transl.: Removal of ions from air ionizers). *Acta Comm. Univ. Tartu* **140**, 103–112.
23. Tammet, H.F. (1963) Vozdeistvie obemnogo zaryada v aspiratsionnykh schetchikakh aéroionov (in Russian, transl.: Effect of space charge in aspiration air ion counters). *Acta Comm. Univ. Tartu* **140**, 46–61.
24. Tammet, H.F. and Salm, J.J. (1963) Ionizirovanie vozdukha bol'shikh pomeshchenii posredstvom provolochnykh antenn, pitaemykh apparatom dlya franklinizatsii (in Russian, transl.: Air ionization in large rooms using wire antenna feeded by a Franklinization apparatus). *Aéroionizatsiya v gigiene truda. Mater. nauch. konf.*, Leningrad, pp. 140–141.
25. Tammet, H.F. and Saluvere, T.A. (1963) O gorizontol'nykh sostavlyayushchikh atmosfernogo élektricheskogo polya vblizi rovnoi podstilayushchei poverkhnosti (in Russian, transl.: Horizontal components of atmospheric electric field near plain ground surface). *Izv. Acad. Nauk ser. geofiz.* 654–656.
26. Loog, P.K., Madise, T.V., Märtinson, E.E., Pikver, R.I., Reeben, V.A., Saks, O.V., Salm, J.J. and Tammet, H.F. (1964) O dinamicheskikh élektrometrakh, skonstruirovannykh v Tartuskom gosudarstvennom universitete (in Russian, transl.: Vibrating reed electrometers designed in Tartu State University). *Tez. dokl. vses. n-t. soveshch. po radioélektronnyim metodam izm. élekt. napryazh. i omich. soprotivlenii*, Tallinn, pp. 29–30.
27. Tammet, H.F. (1964) *Aspiratsionnyi metod izucheniya ionizirovannogo vozdukha i aérozolei. Avtoref. dis. na soisk. uchen. step. kand. fiz.-mat. nauk (in Russian, transl.: Aspiration method for study of ionized air and aerosols. Ph.D Thesis)*. Tartu.
28. Tammet, H.F. (1964) Ionizatsionnyi detektor gazovogo khromatografa (in Russian, transl.: Ionization detector for a gas chromatograph). USSR Patent No. 151100, Class 42,1,4/16, Prior. 13.10.61.
29. Tammet, H.F. (1964) Opreделение deistvuyushchei emkosti tsilindricheskogo izmeritel'nogo kondensatora aspiratsionnogo schetchika aéroionov (in Russian, transl.: Determination of effective capacitance of a cylindrical measuring condenser of an aspiration counter of air ions). *Izv. Acad. Nauk Fiz. ser. geofiz.* 436–436.
30. Loog, P.K., Madise, T.V., Märtinson, E.E., Pikver, R.I., Reeben, V.A., Saks, O.V., Salm, J.J. and Tammet, H.F. (1965) Elektrometriya s vibroemkostnym preobrazovatelem,

- razrabotannye v Tartuskom gosudarstvennom universitete (in Russian, transl.: Electrometers with vibrating capacitance converter designed in Tartu State University). *Mater. vses. n-t. soveshch. po radioélektronnym metodam izmer. élekt. napr. i omich. soprotivlenii*, Tallinn, pp. 58–67.
31. Lepik, M.E., Salm, J.J. and Tammet, H.F. (1966) Primenenie metodov izmereniya aéroionizatsii v kurortologii (in Russian, transl.: Applications of air ion measurement techniques in health resorts). *Mater. 7-oi \_Ést. resp. nauch. konf. po kurortologii i fizioterapii*, Pärnu, pp. 92–93.
  32. Tammet, H.F. and Salm, J.J. (1966) Ionizirovanie vozdukha bol'shikh pomeshchenii posredstvom provolochnykh antenn, pitaemykh apparatom dlya franklinizatsii (in Russian, transl.: Air ionization in large rooms using wire antenna feeded by a Franklinization apparatus). In *Aéroionizatsiya v gigiene truda*, Leningrad, pp. 237–240.
  33. Reinet, J., Tammet, H. and Salm, J. (1967) On the methods of counting air ions. *Biometeorology* **2**, 1037–1046.
  34. Tammet, H. (1967) *Praktilise metroloogia algmed I (in Estonian, transl.: Basics of applied metrology I)*, TRÜ, Tartu.
  35. Tammet, H.F. (1967) Aspiratsionnyi metod izmereniya spektra aéroionov (in Russian, transl.: Aspiration method for the measurement of air ion spectra). *Acta Comm. Univ. Tartu* **195**, 1–232.
  36. Tammet, H.F. (1967) Schetchik aéroionov SAI-TGU-66 (in Russian, transl.: Air ion counter SAI-TGU-66). *Mater. vses. n-t. konf. po primeneniuyu aérozolei v nar. khoz-ve (14-17 marta 1967 g.)*, Moscow, pp. 36–37.
  37. Tammet, H. (1968) *Praktilise metroloogia algmed III (in Estonian, transl.: Basics of applied metrology III)*. TRÜ, Tartu.
  38. Tammet, H. (1968) Air ions and aerosols. In *Bioclimatology, Biometeorology and Aeroionotherapy*, edited by R. Gualtierotti, I.H., Kornblueh and and C., Sirtori, Milan, pp. 49–53.
  39. Tammet, H., Salm, J. and Tamm, E. (1968) Measurement of air ions and aerosols Bioclimatology. In *Biometeorology and Aeroionotherapy*, edited by R. Gualtierotti, I.H., Kornblueh and and C., Sirtori, Milan, pp. 57–62.
  40. Tammet, H., Visnapuu, L. and Reinet, J. (1968) Generators of air ions and electroaerosols. In *Bioclimatology, Biometeorology and Aeroionotherapy*, edited by R. Gualtierotti, I.H., Kornblueh and and C., Sirtori, Milan, pp. 54–56.
  41. Tammet, H., Visnapuu, L., Reinet, J., Salm, J. and Tamm, E. (1968) Physique des ions de l'air et des aerosols. In *Bioclimatology, Biometeorology and Aeroionotherapy*, edited by R. Gualtierotti, I.H., Kornblueh and and C., Sirtori, Milan, pp. 145–146.
  42. Tammet, H., Visnapuu, L., Reinet, J., Salm, J. and Tamm, E. (1968) The physics of air ions and electroaerosols. In *Bioclimatology, Biometeorology and Aeroionotherapy*, edited by R. Gualtierotti, I.H., Kornblueh and and C., Sirtori, Milan, pp. 137–138.
  43. Tammet, H.F. (1969) Deistvuyushchaya shirina ideal'nogo provolochnogo neitralizatora staticheskogo élektrichestva (in Russian, transl.: Effective width of an ideal wire neutralizer of static electricity). *Acta Comm. Univ. Tartu* **239**, 47–52.
  44. Tammet, H.F. (1969) Inertsionnost' élektrostaticheskikh polemerov (in Russian, transl.: Inertia of electrostatic field meters). *Tr. Main Geophys. Observ.* **242**, 62–67.
  45. Tammet, H.F. (1969) Vol'tampernye kharakteristiki ideal'noi unipolyarnoï kvazikorony (in Russian, transl.: Volt-ampere characteristics of ideal unipolar quasicorona). *Acta Comm. Univ. Tartu* **239**, 3–40.
  46. Tammet, H.F. (1969) Vol'tampernye kharakteristiki tritievogo neitralizatora staticheskogo élektrichestva (in Russian, transl.: Volt-ampere characteristics of Tritium neutralizer of static electricity). *Acta Comm. Univ. Tartu* **239**, 41–46.

47. Tammet, H.F. and Gross, L.G. (1969) Kraevoi éffekt v ploskom neitralizatore staticheskogo élektrichestva (in Russian, transl.: Edge effect in a plain neutralizer of static electricity). *Acta Comm. Univ. Tartu* **239**, 53–56.
48. Tammet, H. (1970) *The aspiration method for the determination of atmospheric ion-spectra*. IPST for NSF, Jerusalem, <http://ael.physic.ut.ee/tammet/am/>.
49. Tammet, H. (1970) *Praktilise metroloogia algmed II (in Estonian, transl.: Basics of applied metrology II)*. TRÜ, Tartu.
50. Tammet, H.F. (1970) K pravilu ravenstva razmernostei (in Russian, transl.: On the rule of equality of dimensions). *Materialy vtorogo nauchno-metodicheskogo seminara prepodavatelei fiziki vuzov Pribaltiiskikh respublik i Belorusskoï SSR, 4-6 iyunya 1970 goda*, Tartu, pp. 98–101.
51. Tammet, H.F. (1970) K teorii izmereniya napryazhennosti atmosfernogo élektricheskogo polya (in Russian, transl.: Contribution to the theory of measurement of atmospheric electrical field). *Acta Comm. Univ. Tartu* **240**, 140–156.
52. Tammet, H.F. (1970) O pravilakh slozheniya oshibok izmereniya v praktikume po obshchei fizike (in Russian, transl.: Rules of addition of estimates of measurement errors in a basic physics laboratory). *Sbornik dokladov i soobshchenii nauchno-metodicheskogo seminara prepodavatelei fiziki vuzov Pribaltiiskikh respublik*, Riga, pp. 66–70.
53. Tammet, H.F. (1970) Schetchik aéroionov SAI-TGU-66 (in Russian, transl.: Air ion counter SAI-TGU-66). *Acta Comm. Univ. Tartu* **240**, 157–163.
54. Tammet, H.F. (1970) Statisticheskie otsenki tsentra raspredeleniya rezul'tatov izmereniya (in Russian, transl.: Statistical estimates of the center of the distribution of measurements). *Materialy vtorogo nauchno-metodicheskogo seminara prepodavatelei fiziki vuzov Pribaltiiskikh respublik i Belorusskoï SSR, 4-6 iyunya 1970 goda*, Tartu, pp. 218–221.
55. Tammet, H.F. (1970) Teoriya prosteishei modeli ploskogo neitralizatora staticheskogo élektrichestva (in Russian, transl.: Theory of a simplest model of a neutralizer of static charges). *Acta Comm. Univ. Tartu* 234–242.
56. Tammet, H.F. (1970) Uovershenstvovanie laboratornoi raboty po izucheniyu vyazkosti metodom Stoksa (in Russian, transl.: Improvement of the laboratory exercise of viscosity measurement using the Stokes law). *Materialy vtorogo nauchno-metodicheskogo seminara prepodavatelei fiziki vuzov Pribaltiiskikh respublik i Belorusskoï SSR, 4-6 iyunya 1970 goda*, Tartu, pp. 222–224.
57. Tammet, H.F. (1970) Vol't-ampernye kharakteristiki unipolyarnogo koronnogo razryada (in Russian, transl.: Volt-ampere characteristics of unipolar corona discharge). *Élektrichestvo* 82–83.
58. Tammet, H. (1971) *Füüsika praktikum. Metroloogia (in Estonian, transl.: Laboratory physics. Metrology)*. Valgus, Tallinn.
59. Tammet, H. and Salm, J. (1971) The resolving power of the air ion mobility spectrometer. *Abstr. of the Soviet papers subm. for the XV Gen. Ass. of the Int. Union of Geodesy and Geophys. on Atmospheric Electricity*, Moscow, pp. 16–17.
60. Tammet, H.F. (1971) Ponyatiya fizicheskoi velichiny i izmereniya v kurse obshchei fiziki (in Russian, transl.: Concept of the physical quantity in the course of basic physics). *Materialy tret'ego nauchno-metodicheskogo seminara prepodavatelei fiziki vuzov Pribaltiiskikh respublik, Belorusskoï SSR i Kaliningradskoï oblasti*, Vilnius, pp. 363–367.
61. Tammet, H.F. (1971) Raschet aspiratsionnogo kondensatora na maksimum udel'noi intensivnosti osazhdeniya aéroionov (in Russian, transl.: Design of aspiration condenser according to the requirement of maximum surface density of air ion deposition). *Acta Comm. Univ. Tartu* **283**, 16–29.

62. Tammet, H.F. (1971) Tablitsa spetsial'noi funktsii tsilindricheskogo koronnogo razryada (in Russian, transl.: A table of special function of the cylindric corona discharge). *Acta Comm. Univ. Tartu* **283**, 37–48.
63. Tammet, H.F. (1971) Vol't-ampernaya kharakteristika obratnoi kvazikorony mezhdu tsilindricheskimi élektrodami (in Russian, transl.: Volt-ampere characteristics of inverse quasicorona between cylindrical electrodes). *Acta Comm. Univ. Tartu* **283**, 30–36.
64. Tamm, E.I. and Tammet, H.F. (1972) O metodakh polucheniya monomobil'nykh aérozolei (in Russian, transl.: On the methods of generation of monomobile aerosols). *II vses. konf. po primeneniyu aérozolei v nar. khoz-ve. Mater. konf.*, Odessa, pp. 55–55.
65. Tammet, H. and Salm, J. (1972) Some methodological notes on aeroionometry. *Symposium on Aeroionotherapy*, Budapes, pp. 49–52.
66. Tammet, H. and Salm, J. (1972) The resolving power of the air-ion mobility spectrometer. *Report of Proceedings XV General Assembly Int. Union of Geodesy and Geophys., IAMAP Publ. No. 15*, Toronto, pp. 162–162.
67. Fischer, M.M., Tammet, H.F. and Tamm, E.I. (1973) Poluavtomaticheskaya proektsionno-izmeritel'naya ustanovka (in Russian, transl.: A semiautomatic projector digitizer). *Acta Comm. Univ. Tartu* **320**, 129–138.
68. Tammet, H. and Salm, J. (1973) Present-day status of the aspiration method of measuring the charge density of electroaerosols. *I Int. Kongr. für Aerosole in der Medizin, (19.-21. Sept. 1973), Tagungsbericht*, Baden, Wien, pp. 193–193.
69. Tammet, H.F. (1973) *Spravochnye materialy dlya pol'zovaniya sistemoi MALGOL-73 (in Russian, transl.: MALGOL-73 programmers reference)*. Tallinn.
70. Tammet, H.F. (1973) Induktsionnyi éffekt v moduliruyushchem izmeritel'nom kondensatore schetchika aéroionov (in Russian, transl.: Effect of displacement current in a modulating measuring condenser of air ions). *Acta Comm. Univ. Tartu* **320**, 13–19.
71. Tammet, H.F. (1973) K obshchim problemam spektrometrii aéroionov (in Russian, transl.: Contribution to the general problems of air ion spectrometry). *Acta Comm. Univ. Tartu* 5–12.
72. Tammet, H.F. (1973) K probleme razreshayushchei sily v spektrometrii (in Russian, transl.: On the problem of resolving power in spectrometry). *Acta Comm. Univ. Tartu* **320**, 76–100.
73. Tammet, H.F. (1973) Sistema obrabotki nablyudenii dlya odnokanal'nogo spektrometra aéroionov (in Russian, transl.: Measurement data processing system for a single-channel air ion spectrometer). *Acta Comm. Univ. Tartu* **320**, 36–47.
74. Tammet, H.F. and Jakobson, A.F. (1973) Avtomaticheskoe upravlenie odnokanal'nym spektrometrom aéroionov (in Russian, transl.: Automatic control of a single-channel air ion spectrometer). *Acta Comm. Univ. Tartu* **320**, 27–35.
75. Tammet, H.F., Jakobson, A.F. and Salm, J.J. (1973) Mnogokanal'nyi avtomaticheskii spektrometr aéroionov (in Russian, transl.: Multi-channel automatic air ion spectrometer). *Acta Comm. Univ. Tartu* **320**, 48–75.
76. Tammet, H.F. and Leppik, K.P. (1973) Opytnyi schetchik legkikh aéroionov s moduliruyushchim izmeritel'nym kondensatorom (in Russian, transl.: An experimental counter of air ions with modulating measuring condenser). *Acta Comm. Univ. Tartu* **320**, 20–26.
77. Tammet, H.F., Üts, E.J. and Lepik, M.E. (1973) Aspiratsionnyi schetchik aéroionov (in Russian, transl.: Aspiration counter of air ions). USSR Patent No. 375711, Class HO1j39/26, Prior. 11.03.68.
78. Tammet, E. and Tammet, H. (1974) Vychislenie koéffitsientov slozheniya uglovykh momentov (in Russian, transl.: Calculation of coefficients for addition of the angular momentum). *Eesti NSV TA toimetised, füüsika, matemaatika* **23**, 81–85.

79. Tammet, H.F. (1974) Spektrometriya podvizhnostei aéroionov i izmerenie zagryaznenii vozdukha (in Russian, transl.: Spectrometry of air ion mobilities and measurement of air pollution). *Fizicheskie aspekty zagryazneniya atmosfery. Tez. dokl. mezhdunar. konf.*, Vilnius, pp. 146–147.
80. Tammet, H.F., Salm, J.J. and Jakobson, A.F. (1974) Avtomaticheskii mnogokanal'nyi spektrometr aéroionov (in Russian, transl.: An automatic multi-channel spectrometer of air ions). *Fizicheskie aspekty zagryazneniya atmosfery. Tez. dokl. mezhdunarodnoi konf.*, Vilnius, pp. 145–146.
81. Jakobson, A.F., Salm, J.J. and Tammet, H.F. (1975) Nekotorye rezultaty ispytaniya mnogokanal'nogo avtomaticheskogo spektrometra aéroionov (in Russian, transl.: Some results of testing of the automatic multichannel spectrometer of air ions). *Acta Comm. Univ. Tartu* **348**, 16–23.
82. Tammet, H. (1975) *Juhendid arvuti NAIRII-2 kasutajale* (in Estonian, transl.: Instructions to an user of the computer NAIRI-2). Tallinn.
83. Tammet, H. (1975) Arvuti Nairii-2 kasutamisest pedagoogikauurimistöös (in Estonian, transl.: Applications of the computer NAIRI-2 in pedagogical research). *E. Vilde nim. Tallinna Pedagoogilise Instituudi III teaduslik-metoodiline konverents kõrgema kooli pedagoogika küsimustes. Ettekannete teesid*, Tallinn, lk. 25–26.
84. Tammet, H.F. (1975) *Vvedenie v lineinuyu konechnomernuyu teoriyu spektrometrii* (in Russian, transl.: Introduction into the theory of linear finite-dimensional spectrometry). Valgus, Tallinn.
85. Tammet, H.F. (1975) Elementarnaya teoriya mnogokanal'nogo dinamicheskogo élektrometra (in Russian, transl.: An elementary theory of a multi-channel dynamic electrometer). *Acta Comm. Univ. Tartu* **348**, 155–181.
86. Tammet, H.F. (1975) Ob élektricheskoi granulometrii aérozolei (in Russian, transl.: On the electrical granulometry of aerosols). *Acta Comm. Univ. Tartu* **348**, 30–34, [http://ael.physic.ut.ee/KF.Public/sci/pubs/acta/348/Tammet\\_1975\\_On\\_the\\_electric\\_granulometry.pdf](http://ael.physic.ut.ee/KF.Public/sci/pubs/acta/348/Tammet_1975_On_the_electric_granulometry.pdf).
87. Tammet, H.F. (1975) Spektrometriya podvizhnostei aéroionov kak metod élektroanaliza vozdukha (in Russian, transl.: Spectrometry of air ion mobilities as a method of electrical analysis of the air). *Fiz.-mat. i biol. probl. deistviya élektromagnit. polei i ionizatsii vozdukha. Mater. vses. n.-t. simpoz.*, Nauka, Moscow, **1**, pp. 269–276.
88. Tammet, H.F. (1975) Zavisimost' spektra podvizhnostei legkikh aéroionov ot mikroprimesei vozdukha (in Russian, transl.: Dependence of the spectrum of small ion mobilities on the trace admixtures in air). *Acta Comm. Univ. Tartu* **348**, 3–15.
89. Tammet, H.F. and Shvarts, Ya.M. (1975) Ustroistvo dlya izmereniya élektroprovodnosti vozdukha (in Russian, transl.: A device for measurement of air electrical conductivity). USSR Patent No. 464881, Class GO1w1/16, Prior. 25.03.75.
90. Tammet, H. (1976) *Statistikameetodid arvuti NAIRII-2 kasutajale* (in Estonian, transl.: Statistical methods for a user of the computer NAIRI-2). Valgus, Tallinn.
91. Tammet, H.F. (1976) Spektrometriya podvizhnostei aéroionov i izmerenie zagryaznenii vozdukha (in Russian, transl.: Spectrometry of air ion mobilities and measurement of air pollution). In *Soderzhanie primesei v atmosferykh osadkakh, atmosferyne aérozoli. Zashchita atmosfery ot zagryaznenii.*, Vilnius, **3**, pp. 213–218.
92. Tammet, H.F. (1976) Vychislitel'naya sistema dlya kinematischeeskogo analiza sportivnoi tekhniki (in Russian, transl.: Data processing system for the kinematic analysis of the sport techniques). *Problemy biomekhaniki sporta (Tezisy dokl. II vses. konf.)*, Kiev, pp. 81–82.
93. Tammet, H.F. (1976) Vychislitel'naya sistema dlya kinematischeeskogo analiza sportivnoi tekhniki (in Russian, transl.: Data processing system for the kinematic analysis of the sport techniques). *Razvitie sportivnogo masterstva v vysshei shkole. Tezisy XVIII nauchnoi konferentsii po fizkul'ture i sportu Éstonskoii SSR*, Tartu, pp. 84–85.

94. Tammet, H.F. and Shvarts, Ya.M. (1976) Izmeritel'nyĭ kondensator (in Russian, transl.: Measurement condenser). USSR Patent No. 508811, Class HO1G1/13, Prior. 10.06.74.
95. Fischer, M., Jakobson, A., Kikas, Ü., Miller, F., Mirme, A., Salm, J., Tamm E. and Tammet H. (1977) Electric granulometry of submicroscopic aerosols. *2-nd Congr. of Int. Soc. for Aerosols in Medicine (IGAEM)*, Warszawa, pp. Abstr. 62.
96. Tammet, H., Kornel, V. and Saar, A. (1977) Ülesandemallid ja sünteesülesanded (in Estonian, transl.: Exercise patterns and synthesized exercises). *Nõukogude Kool* 838–844.
97. Tammet, H.F. (1977) Elektricheskie parametry zagryaznennosti vozdukha (in Russian, transl.: Electrical parameters of air pollution). *Acta Comm. Univ. Tartu* **443**, 48–51.
98. Tammet, H.F. (1977) K teorii aspiratsionnogo metoda spektrometrii podvizhnoŝtei aéroionov (in Russian, transl.: Contribution to the theory of aspiration method of air ion spectrometry). *Acta Comm. Univ. Tartu* **409**, 89–96.
99. Tammet, H.F., Hilpus, A.O., Salm, J.J. and Üts, E.J. (1977) Spektrometr aéroionov dlya obnaruzheniya nekotorykh primesei vozdukha (in Russian, transl.: An air ion spectrometer for the detection of some admixture in air). *Acta Comm. Univ. Tartu* **409**, 84–88.
100. Tammet, H.F., Kornel, V.V. and Saar, A.J. (1977) Porozhdayushchie modeli fizicheskikh zadach i sostavlenie zadach pri pomoshchi ÉVM (in Russian, transl.: Generative patterns of exercises in physics and compiling of exercises using a computer). *Aktual'nye metody prepodavaniya fiziki*, Riga, pp. 17–17.
101. Tammet, H.F. and Tamm, E.I. (1977) Issledovanie sluchaĭnykh oshibok izmereniya v fizicheskom praktikume (in Russian, transl.: Examination of random errors in laboratory physics). *Aktual'nye metody prepodavaniya fiziki*, Riga, pp. 62–62.
102. Tammet, H. (1978) *Mõõtmistäpsuse hindamine (metoodiline juhend)* (in Estonian, transl.: Estimation of measurement errors, an instruction). TRÜ, Tartu.
103. Tammet, H. (1978) Hulgateooria mõistete rakendusi füüsikas (in Estonian, transl.: Applications of concepts of the set theory in physics). *Nõukogude Kool* 134–137.
104. Tammet, H.F. (1978) *Otsenka tochnosti izmereniya (Metodicheskoe rukovodstvo)* (in Russian, transl.: Estimation of measurement errors, an instruction). TRÜ, Tartu.
105. Tammet, H.F. (1978) *Spektrometriya podvizhnoŝtei aéroionov. Avtoref. dis. na soisk. uch. step. dokt. fiz.-mat. nauk* (in Russian, transl.: Spectrometry of air ion mobilities. Abstract of the D.Sc. thesis). Main Geophys. Obs., Leningrad.
106. Tammet, H.F. (1978) Ispol'zovanie novykh élementov kursa matematiki pri prepodavanii fiziki (in Russian, transl.: Application of new elements of the course of mathematics in teaching of physics). *Problemy mezhpredmetnykh svyazeĭ v podgotovke uchitelei matematiki i fiziki v pedagogicheskikh institutakh. Tezisy vses. nauchn. konf. Dushanbe 23-25 okt. 1978*, Dushanbe, pp. 221–222.
107. Jarinen, M., Riismandel, V. and Tammet, H. (1979) Kui palju kulub õpilasel aega arvutamiseks (in Estonian, transl.: How much time need the pupils for calculations). *Nõukogude Kool* 37–38.
108. Kornel, V.V., Saar, A.J., Tammet, H.F. and Hendre, J.M. (1979) Metodika opredeleniya umeniya resheniya zadach po fizike (in Russian, transl.: Methodology of estimating the skill in solving of exercises in physics). *Tezisy докладov sed'mogo soveshchsem. zav. kaf. i ved. lekt. po obshch. fiz. vuzov Bel., Lit., Latv., Ést. SSR i Kaliningr. obl. RSFSR, chast' pervaya*, Tallinn, pp. 97–100.
109. Mirme, A.A., Salm, J.J., Tamm, E.I. and Tammet, H.F. (1979) Granulometr submikronnogo aérozolya (in Russian, transl.: Granulometer of submicrometric aerosol). *Metody i pribory kontrolya parametrov okruzhayushcheĭ sredy. Mezhvuz. sb., Leningrad* **1(136)**, 64–67.

110. Mirme, A.A., Tammet, H.F., Fischer, M.M. and Arold M.U Tamm, E.I. (1979) Poluavtomaticheskii koordinatomer (in Russian, transl.: A semiautomatic co-ordinate meter). *Acta Comm. Univ. Tartu* **479**, 132–139.
111. Tammet, H. (1979) *Arvuti NAIRI-2 tarkvara* (in Estonian, transl.: Software of the computer NAIRI-2). Tallinn.
112. Tammet, H. (1979) *Arvuti B3-21 kasutamisjuhend* (in Estonian, transl.: Instruction to the calculator B3-21). Tallinn.
113. Tammet, H. (1979) Arvuti, programmeerimine ja üldharidus (in Estonian, transl.: Computer, programming and basic education). rmt. *Matemaatika õpetamise nüüdisprobleeme*, Tallinn, lk. 106–109.
114. Tammet, H., Kornel, V. and Saar, A. (1979) Ülesandevariantide sünteesimine elektronarvutil (in Estonian, transl.: Synthesis of exercises by computer). *Matemaatika õpetamise nüüdisprobleeme*, Tallinn, lk. 96–99.
115. Tammet, H.F. (1979) Dvumernaya neopredelennost' resheniya nekorrektno postavlennykh obratnykh zadach (in Russian, transl.: Two-dimensional indeterminacy of solution of ill-posed inverse problems). *Acta Comm. Univ. Tartu* **479**, 3–6.
116. Tammet, H.F. (1979) Elementy atmosfernogo élektrichestva kak parametry zagryaznennosti vozdukha (in Russian, transl.: The elements of atmospheric electricity as parameters of air pollution). *Tr. Gl. Geofiz. Observ.* **413**, 20–23.
117. Tammet, H.F. (1979) Obobshchenie metoda Lanzhevena resheniya obratnykh zadach (in Russian, transl.: Generalization of the Langevin method of solution of inverse problems). *Acta Comm. Univ. Tartu* **479**, 7–9.
118. Tammet, H.F., Kornel, V.V. and Saar, A.J. (1979) Ispol'zovanie ÉVM dlya sostavleniya zadach (in Russian, transl.: Application of computer in compiling of exercises). In *Ispol'zovanie ÉVM v obespechenii uchebnogo protsessa i upravlenii obrazovaniem*, Sverdlovsk, pp. 50–51.
119. Tammet, H.F. and Salm, J.J. (1979) Ob ispol'zovanii provolochnykh antenn dlya aéroionizatsii (in Russian, transl.: Application of wire antenna for air ionization). *Acta Comm. Univ. Tartu* **479**, 19–25.
120. Leppik, K.P., Tammet, H.F., Miller, F.G. and Salm, J.J. (1980) Polevoï izmeritel' provodimosti vozdukha s moduliruyushchim izmeritel'nyï kondensatorom (in Russian, transl.: An air conductivity meter equipped with a modulating measuring condenser). *Acta Comm. Univ. Tartu* **534**,.
121. Luik, H., Martin, J., Parmasto, E. and Tammet, H. (1980) Vilsandi riiklik looduskaitseala NSV Liidu loodeosa kaitstavate territooriumide süsteemis (in Estonian, transl.: Vilsandi State Nature Preserve in the system of protected areas of the North-West of USSR). : *Vilsandi Riikliku Looduskaitseala 70. aastapäevale pühendatud ettekannete teesid*, Tallinn, lk. 33–37.
122. Ruhnke, L.H. and Tammet, H. (1980) Atmospheric electric currents at widely spaced stations. *Abstr. 6-th Int. Conf. on atmospheric electricity*, Manchester, pp. Abstr. II–1.
123. Tammet, H. (1980) Calculation of air-ion and aerosol spectra from rough measurement data. *Abstr. 6-th Int. Conf. on on Atmospheric Electricity*, Manchester, pp. Abstr. I–B-3.
124. Tammet, H. and Tamm S. (1980) K probleme antropometricheskikh indeksov pri obsledovanii studentok (in Russian, transl.: The problem of indices in anthropometric study of female students). In *Voprosy fizicheskoi antropologii zhenshchin*, pp. 20–21.
125. Tammet, H.F. (1980) K tekhnike élektricheskoi granulometrii aérozoleï (in Russian, transl.: On the technique of electrical granulometry of aerosols). *Acta Comm. Univ. Tartu* **534**, 55–79.
126. Tammet, H.F. (1980) Kusochno-lineïnaya model' spektra v aéroionnykh i aérozol'nykh izmereniyakh (in Russian, transl.: A pice-wise linear spectrum model in air ion and

- aerosol measurements). *Acta Comm. Univ. Tartu* **534**, 45–54,  
[http://ael.physic.ut.ee/KF.Public/sci/pubs/acta/534/Tammet\\_1980\\_Piecewise\\_linear\\_model.pdf](http://ael.physic.ut.ee/KF.Public/sci/pubs/acta/534/Tammet_1980_Piecewise_linear_model.pdf).
127. Tammet, H.F., Kornel, V.V. and Saar, A.J. (1980) Sostavlenie zadach s pomoshch'yu ÉVM (in Russian, transl.: Compiling of exercises by the aid of a computer). In *Novye issledovaniya v pedagogicheskikh naukakh*, **2**, pp. 59–62.
  128. Hendre, J., Kornel, V., Saar, A. and Tammet, H. (1981) Uut füüsikaülesannete lahendamisel (in Estonian, transl.: New methods in teaching of physics exercises). *Nõukogude Kool* 42–44.
  129. Kornel, V.V., Saar, A.J. and Tammet, H.F. (1981) Ispol'zovanie zadach po fizike, sintezirovannykh s pomoshch'yu ÉVM (in Russian, transl.: Applications of the physics exercises synthesized by a computer). In *Voprosy kompleksnogo ispol'zovaniya vychislitel'noi tekhniki v obrazovanii*, Sverdlovsk, pp. 16–22.
  130. Mirme, A.A. and Tamm E.I Tammet, H.F. (1981) Élektrogranulometr aérozol'nykh chastits s shirokim predelom izmereniya (in Russian, transl.: A wide-range electrical granulometer of aerosol particles). *Acta Comm. Univ. Tartu* **588**, 84–92.
  131. Saar, A.J., Kornel, V.V., Tammet, H.F. and Hendre, J.M. (1981) Analiz umeniya reshat' kolichestvennyye zadachi (in Russian, transl.: Analysis of the skill in solving of quantitative exercises). In *Novye metody obucheniya resheniyu zadach po fizike*, Tallinn, pp. 40–43.
  132. Tamm, E.I., Mirme, A.A. and Tammet, H.F. (1981) Granulometr aérozolya (in Russian, transl.: Aerosol granulometer). USSR Patent No. 890156, Class G01N15/02, Prior. 28.03.80.
  133. Tammet, H., Kornel, V., Saar, A. and Hendre, J. (1981) Füüsikaülesannete analüüs ja süntees elektronarvutil (in Estonian, transl.: Analysis and synthesis of physics exercises by a computer). rmt. *Pedagoogikateadus ja kool. Pedagoogiliste uurimuste tulemused 1976-1980. Reaalained ja kool*, **12**, lk. 42–44.
  134. Tammet, H.F. (1981) K probleme statistiki shkol'nykh otmetok (in Russian, transl.: On the problem of school mark statistics). *Sovetskaya pedagogika* 71–76.
  135. Tammet, H.F. (1981) Opisanie modelei zadachi: yazyk generatora H2 (in Russian, transl.: Specification of exercise patterns: the generator language N2). In *Novye metody obucheniya resheniyu zadach po fizike*, Tallinn, pp. 106–114.
  136. Tammet, H.F. and Kornel, V.V. (1981) Opisanie modelei zadachi: yazyk obraztsa 80 (in Russian, transl.: Specification of exercise patterns: the sample language 80). In *Novye metody obucheniya resheniyu zadach po fizike*, Tallinn, pp. 99–105.
  137. Tammet, H.F., Kornel, V.V. and Saar, A.J. (1981) Modeli i sintez chislennykh zadach (in Russian, transl.: Patterns and syntheses of numerical exercises). In *Novye metody obucheniya resheniyu zadach po fizike*, Tallinn, pp. 59–65.
  138. Tammet, H.F. and Pallas, L.R. (1981) Generator zadach dlya ÉVM NAIRI-2 (in Russian, transl.: An exercise generator for computer NAIRI-2). In *Novye metody obucheniya resheniyu zadach po fizike*, Tallinn, pp. 115–122.
  139. Mirme, A.A., Tamm, E.I. and Tammet, H.F. (1982) Ob élektricheskoi spektrometrii aérozolei (in Russian, transl.: On the electrical aerosol spectrometry). *Tez. dokl. IV vses. konf. po aérozolyam*, Erevan, pp. 145–145.
  140. Tammet, H. (1982) Õpilase arengu monitorsüsteemi vajadusest ja võimalikkusest (in Estonian, transl.: The necessity and possibility of the pupils development monitoring system). *Nõukogude Kool*, 24–27.
  141. Tammet, H.F. (1982) K matematiko-staticheskoi metodike proverki biologicheskogo deistviya i prakticheskoi poleznosti aéroionizatsii (in Russian, transl.: On the technique of testing statistical hypotheses on biological impact and utility of air ionization). *Acta Comm. Univ. Tartu* **631**, 139–149.

142. Tammet, H.F. (1982) Sistema sinteza zadach H82 (in Russian, transl.: Exercise compiling system N82). In *Sintezirovannye zadachi pri obuchenii fizike*, Tallinn, pp. 63–77.
143. Tammet, H.F. (1982) Yazyk dlya opisaniya modelei zadachi H82 (in Russian, transl.: Exercise pattern language N82). In *Sintezirovannye zadachi pri obuchenii fizike*, Tallinn, pp. 43–63.
144. Mirme, A.A., Tamm, E.I. and Tammet, H.F. (1983) Sposob opredeleniya spektral'nogo sostava aërozolya po razmeram chastits (in Russian, transl.: A method for determining of spectral composition of aerosol according to particle sizes). USSR Patent No. 1035477, Class GO1N15/02, Prior. 08.01.82.
145. Ruhnke, L.H., Tammet, H. and Arold, M. (1983) Atmospheric electric currents at widely spaced stations. In *Proc. in Atmospheric electricity*, Deepak Publ., Hampton (Virg.), pp. 76–78.
146. Tammet, H.F. (1983) Kalibrovka élektricheskogo granulometra aërozolei po raspredeleniyu osazhdennykh chastits (in Russian, transl.: Calibration of an electrical aerosol spectrometer measuring the distribution of collected particles). *Acta Comm. Univ. Tartu* **648**, 52–58.
147. Tammet, H.F., Leppik, K.P., Salm, J.J. and Miller, F.G. (1983) Ustroistvo dlya izmereniya élektroprovodnosti vozdukha (in Russian, transl.: Device for measurement of the air electrical conductivity). USSR Patent No. 1041975, Class GO1W1/16, Prior. 10.04.81.
148. Tammet, H.F., Mirme, A.A. and Tamm, E.I. (1983) K probleme élektricheskogo analiza aërozolei (in Russian, transl.: On the problem of electrical aerosol analysis). *Tr. In-ta éksperimental'noi meteorologii, Moscow* **30(104)**, 122–136.
149. Iher, H., Salm, J. and Tammet, H. (1984) Measurements of the mobility spectra of small air ions. *VII Int. Conf. Atmospheric Electricity*, AMS, Boston, pp. 37–39.
150. Mirme, A., Noppel, M., Peil, I., Salm, J., Tamm, E. and Tammet, H. (1984) Multichannel electric aerosol spectrometer. In *Eleventh Int. Conf. on Atmospheric Aerosols, Condensation and Ice Nuclei*, Budapest, **2**, pp. 155–159.
151. Mirme, A.A., Tammet, H.F., Bernotas, T.P. and Tamm, E.I. (1984) Upravlenie i obrabotka signalov v élektricheskom spektrometre aërozolya (in Russian, transl.: Control and signal processing in an electrical aerosol spectrometer). In *Metody i pribory kontrolya parametrov biosfery. Mezhvuz. sb.*, Leningrad, **171**, pp. 43–45.
152. Tammet, H.F. (1984) K interpretatsii élektricheskoi plotnosti aërozolya (in Russian, transl.: Interpretation of aerosol electric density). *Acta Comm. Univ. Tartu* **669**, 31–38.
153. Tammet, H.F. (1984) Puti povysheniya informativnosti atmosferno-élektricheskikh nablyudenii otnositel'no zagryaznennosti atmosfery (in Russian, transl.: Methods for increasing the capacity of information in the results of atmospheric electricity observations about air pollution). *Atmosfernoe élektrichestvo. Tr. II vses. simpoz., Leningrad, 1982*, Leningrad, pp. 37–39.
154. Tammet, H.F. (1984) Sintez zadach s pomoshch'yu ÉVM i prepodavanie fiziki v vuze Metodika prepodavaniya fiziki v vuze. (in Russian, transl.: Computerized synthesis of exercises and teaching of physics in higher schools). In *V pomoshch' prepodavatelyu*, Tartu, **IX**, pp. 55–61.
155. Tammet, H.F. and Noppel, M.G. (1984) Printsipy graduirovaniya élektricheskogo granulometra aërozolei (in Russian, transl.: Principles of calibration of electric aerosol granulometer). In *Metody i pribory kontrolya parametrov biosfery. Mezhvuz. sb.*, Leningrad, **171**, pp. 21–28.
156. Bernotas, T.P., Kolk, E.E., Mirme, A.A., Reinart, A.E. and Tammet, H.F. (1985) Sistema sbora i obrabotki dannykh v spektrometrii aërozolei i aëroionov (in Russian,

- transl.: Data acquisition and processing system in the spectral measurements of aerosols and air ions). *Acta Comm. Univ. Tartu* **707**, 46–53.
157. Kikas, Ü.E., Mirme, A.A., Peil, I.A., Tamm, E.I. and Tammet, H.F. (1985) Éksperimental'naya graduirovka élektricheskogo spektrometra aérozolei metodom étalonnykh aérozolei (in Russian, transl.: Experimental calibration of an electrical aerosol spectrometer by the method of test aerosols). *Acta Comm. Univ. Tartu* **707**, 54–71.
  158. Mirme, A.A., Tammet, H.F., Tamm, E.I. and Kikas, Ü.E. (1985) Élektricheskii spektrometr aérozol'nykh chastits razmerami 0,01..10 µm (in Russian, transl.: Electrical spectrometer of aerosol particles in the size range of 0.01..10 µm). *Tez. dokl. otraslevoi nt. konf. Mikroklimat-85*, Vilnius, pp. 18–19.
  159. Priiman, R. and Tammet, H. (1985) Õhu puhtuse hindamise elektrilised ja indikaatormeetodid (in Estonian, transl.: Electrical and indicator methods for the estimation of air purity). *Keskkonnakaitse* **14**, 45, 8–12.
  160. Tammet, H. (koost.) (1985) *Teine kirjaoskus (Õppe-metoodiline materjal)* (in Estonian, transl.: *The second literacy*). Tartu.
  161. Tammet, H.F. (Comp.) (1985) *Schetchiki aéroionov* (in Russian, transl.: *Air ion counters*). Haapsalu.
  162. Tammet, H.F. (1985) Élektrometriya v atmosferno-élektricheskikh izmereniyakh (in Russian, transl.: Electrometry in atmospheric electricity measurements). *Teoreticheskie problemy élektrometrii. Tez. dokl. vses. n.-t. seminara*, Tartu, pp. 16–17.
  163. Tammet, H.F. (1985) K probleme opredeleniya integral'noi kharakteristiki aérozolya v mikroélektronnoi promyshlennosti (in Russian, transl.: Problem of the integral aerosol characteristics in the microelectronics industry). *Tez. dokl. otraslevoi n.-t. konf. Mikroklimat-85*, Vilnius, pp. 71–72.
  164. Tammet, H.F., Iher, H.R. and Miller, F.G. (1985) Spekr podvizhnostei odnosekundnykh legkikh aéroionov v prirodnom vozdukhe (in Russian, transl.: Mobility spectra of one-second-aged small air ions in natural air). *Acta Comm. Univ. Tartu* **707**, 26–36.
  165. Arold, M.U., Tammet, H.F., Matisen, R.L. and Hõrrak, U.E. (1986) Atmosferno-élektricheskije nablyudeniya na o. Vilsandi (in Russian, transl.: Atmospheric electrical observations on the Island of Vilsandi). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 20–20.
  166. Matisen, R.L., Maasepp, J.H., Öövel, J.R., Miller, F.G., Tammet, H.F., Salm, J.J. and Sepper, T.V. (1986) Schetchiki aéroionov TGU (in Russian, transl.: Air ion counters of Tartu State University). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 86–86.
  167. Reinart, A.E., Mirme, A.A., Peil, I.A., Tammet, H.F., Tamm, E.I., Salm, J.J., Bernotas, T.P. and Miller, F.G. (1986) Avtomatizatsiya nablyudenii za aéroionami i aérozolem v TGU (in Russian, transl.: Automation of aerosol and air ion measurements in Tartu State University). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 83–83.
  168. Tammet, H.F. (1986) Raboty N.N. Komarova po teorii aéroionnykh izmerenii (in Russian, transl.: The contributions by N.N. Komarov in the theory of air ion measurement). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 80–80.
  169. Tammet, H.F. (1986) Teoriya metoda sovместnogo izmereniya intensivnosti ionoobrazovaniya i élektricheskoi plotnosti aérozolya (in Russian, transl.: The theory of the method of simultaneous measurement of ionization rate and aerosol electrical density). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 92–92.

170. Tammet, H.F., Miller, F.G., Matisen, R.L. and Öövel, J.R. (1986) Malogabaritnyĭ pribor dlya izmereniya élektroprovodnosti vozdukha, kontsentratsii i srednei podvizhnosti legkikh aéroionov (in Russian, transl.: A small-size instrument for the measurement of air electric conductivity, concentration and average mobility of air ions). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 87–87.
171. Tammet, H.F., Mirme, A.A., Salm, J.J., Tamm, E.I., Miller, F.G., Bernotas, T.P., Peil, I.A., Noppel, M.G., Reinart, A.E., Langus, L.E., Kikas, Ü.E. and Tamme, V.B. (1986) Apparatura i metodika spektrometrii podvizhnosti aéroionov i aérozol'nykh chastits (in Russian, transl.: Instrumentation and methods of the spectrometry of mobilities of air ions and aerosol particles). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 85–85.
172. Tammet, H.F., Salm, J.J., Iher, H.R., Tamm, E.I., Mirme, A.A. and Kikas, Ü.E. (1986) Spekr podvizhnosti aéroionov v prizemnom vozdukhe (in Russian, transl.: Air ion mobility spectrum in the ground layer). *Tez. dokl. III Vses. simpoz. po atmosfernomu élektrichestvu*, Tartu, pp. 47–47.
173. Mirme, A.A., Tamm, E.I., Tammet, H.F. and Kikas, Ü.E. (1987) Ispol'zovanie élektricheskoi spektrometrii dlya registratsii aérozol'noi zagryaznennosti atmosfery (in Russian, transl.: Application of the electric spectrometry for the registration of aerosol pollution of the atmosphere). *Sovremennye metody i sredstva avtomaticheskogo kontrolya atmosfernogo vozdukha i perspektivy ikh razvitiya. Tez. dokl.*, Kiev, pp. 162–163.
174. Priiman, R.E. and Tammet, H.F. (1987) Otsenka dopustimoĭ moshchnosti koronnogo aéroionizatora po kriteriyu khimicheskogo zagryazneniya vozdukha (in Russian, transl.: Assesment of permissible power of the corona air ionizer according to the criterion of the chemical pollution of the air). *Acta Comm. Univ. Tartu* **755**, 166–174.
175. Salm, J.J., Tammet, H.F., Iher, H.R., Parts, T.M. and Miller, F.G. (1987) Vozmozhnosti ispol'zovaniya spektrometrii podvizhnosti legkikh aéroionov dlya indikatsii zagryaznenii vozdukha (in Russian, transl.: Possibilities of using the mobility spectrometry of small air ions for the indication of air pollution). *Sovremennye metody i sredstva avtomaticheskogo kontrolya atmosfernogo vozdukha i perspektivy ikh razvitiya. Tez. dokl.*, Kiev, pp. 36–37.
176. Tammet, H.F., Iher, H.R. and Salm, J.J. (1987) Spekr atmosferykh ionov v diapazone podvizhnosti 0,32-3,2  $\text{sm}^2/(\text{V}\cdot\text{s})$  (in Russian, transl.: The spectrum of atmospheric ions in range of 0.32-3.2  $\text{sm}^2/(\text{V}\cdot\text{s})$ ). *Acta Comm. Univ. Tartu* **755**, 29–46.
177. Tammet, H.F., Miller, F.G., Tamm, E.I., Bernotas, T.P., Mirme, A.A. and Salm, J.J. (1987) Apparatura i metodika spektrometrii podvizhnosteĭ legkikh aéroionov (in Russian, transl.: Instrumentation and methods for mobility spectrometry of small air ions). *Acta Comm. Univ. Tartu* **755**, 18–28.
178. Tammet, H.F., Salm, J.J., Parts, T.M. and Luts, A.M. (1987) Klasternye aéroiony v troposfere (in Russian, transl.: Cluster air ions in the troposphere). In *Fizika klasterov*, Novosibirsk, pp. 86–91.
179. Hörrak, U.E., Tammet, H.F., Iher, H.R. and Salm, J.J. (1988) Zavisimost' spektra aéroionov ot vetra (po izmereniyam v Takhkuze v 1985 godu) (in Russian, transl.: The dependence of air ion spectra on wind according to the measurements in Tahkuse 1985). *Acta Comm. Univ. Tartu* **809**, 79–86.
180. Hörrak, U.E., Tammet, H.F., Salm, J.J. and Iher, H.R. (1988) Sutochnyĭ i godovoi khody atmosferno-ionizatsionnykh velichin v Takhkuze (in Russian, transl.: Diurnal and annual variations of atmospheric electrical quantities in Tahkuse). *Acta Comm. Univ. Tartu* **824**, 78–83.
181. Salm, J.J., Tammet, H.F., Iher, H.R. and Hörrak, U.E. (1988) Zavisimost' spektra podvizhnosti legkikh aéroionov v prizemnom sloe atmosfery ot temperatury i davleniya

- vozdrukha (in Russian, transl.: The dependence of air ion spectra in the ground layer of the atmosphere on temperature and pressure). *Acta Comm. Univ. Tartu* **809**,.
182. Tammet, H. (1988) Fair-weather electricity on ground level. In *Proc. 8th Int. Conf. on Atmospheric Electricity*, Uppsala, pp. 21–30.
  183. Tammet, H. (1988) Model calculation of global components in tropospheric electric field variation. In *Proc. 8th Int. Conf. on Atmospheric Electricity*, Uppsala, **827-832**,.
  184. Tammet, H. (1988) Models of size spectrum of tropospheric aerosol. In *Atmospheric Aerosols and Nucleation. Lecture Notes in Physics*, Springer-Verlag, Vienna, **309**, pp. 75–78, <http://www.springerlink.com/content/p71948j8m356605k>.
  185. Tammet, H., Salm, J. and Iher, H. (1988) Observation of condensation on small air ions in the atmosphere. In *Atmospheric Aerosols and Nucleation. Lecture Notes in Physics*, Springer-Verlag, Vienna, **309**, pp. 239–240, <http://www.springerlink.com/content/p436249m54004451>.
  186. Tammet, H., Salm, J., Luts, A. and Iher, H. (1988) Mobility spectra of air ions. In *Proc. 8th Int. Conf. on Atmospheric Electricity*, Uppsala, pp. 147–151.
  187. Tammet, H.F. (1988) Ispol'zovanie zaryadnika aérozol'nykh chastits kak pristavki k aéroionometru (schetchiku aéroionov) (in Russian, transl.: The use of aerosol particle charger as an optional device to an air ion counter). *Acta Comm. Univ. Tartu* **809**, 127–136.
  188. Tammet, H.F. (1988) Sravnenie model'nykh raspredelenii aérozol'nykh chastits po razmeram (in Russian, transl.: Comparison between model distributions of aerosol particle sizes). *Acta Comm. Univ. Tartu* **824**, 92–108.
  189. Tammet, H.F. (1988) Teoriya metoda sovmestnogo izmereniya intensivnosti ionoobrazovaniya i élektricheskoi plotnosti aérozolya (in Russian, transl.: The theory of the method of simultaneous measurement of ionization rate and aerosol electrical density). *Tr. III Vses. simpoz. po atmosfernomu élektrichestvu*, Leningrad, pp. 83–86.
  190. Tammet, H.F., Miller, F.G., Matizen, R.L. and Öövel, J.R. (1988) Malogabaritnyï aéroionometr vysokoi predel'noi podvizhnosti (in Russian, transl.: Small size air ion meter of high limiting mobility). *Acta Comm. Univ. Tartu* **809**, 95–102.
  191. Tammet, H.F., Salm, J.J., Iher, H.R., Tamm, E.I., Mirme, A.A. and Kikas, Ü.E. (1988) Spekr podvizhnosti aéroionov v prizemnom vozdukhe (in Russian, transl.: Air ion mobility spectrum in the ground layer). *Tr. III Vses. simpoz. po atmosfernomu élektrichestvu*, Leningrad, pp. 46–50.
  192. Tammet, H.F., Salm, J.J., Tamm, E.I., Kikas, Ü.E. and Noppel, M.G. (1988) Atmosfernye iony i aérozoli (obzor nepublikuemykh dokladov) (in Russian, transl.: Atmospheric ions and aerosols, a survey of unpublished reports). *Tr. III Vses. simpoz. po atmosfernomu élektrichestvu*, Leningrad, pp. 89–97.
  193. Mirme, A.A., Tammet, H.F., Noppel, M.G. and Tamm, E.I. (1989) Predely primenimosti élektricheskogo metoda spektrometrii aérozolei (in Russian, transl.: Limits of the applicability of the electrical method of aerosol spectrometry). *Tez. dokl. XV Vses. konf. Aktual'nye voprosy fiziki aérodispersnykh sistem*, Odessa, **1**, pp. 229–229.
  194. Hörrak, U., Miller, F., Mirme, A., Salm, J. and Tammet, H. (1990) Air ion observatory at Tahkuse: Instrumentation. *Acta Comm. Univ. Tartu* **880**, 33–43.
  195. Hörrak, U.E., Tammet, H.F., Salm, J.J., Luts, A.M. and Iher, H.R. (1990) Rezul'taty nablyudenii za spektrom podvizhnosti atmosferynykh ionov (in Russian, transl.: Results of the measurement of the mobility spectrum of atmospheric ions). *Tez. dokl. IV Vses. simpoz. po atmosfernomu élektrichestvu*, Nalchik, pp. 204–204.
  196. Salm, J.J., Tammet, H.F., Iher, H.R. and Hörrak, U.E. (1990) Atmosferno-élektricheskie izmereniya v Tahkuse, Éstoniya (in Russian, transl.: Atmospheric electrical

- measurements in Tahkuse, Estonia). In *Voprosy atmosfernogo élektrichestva*, Gidrometeoizdat, Leningrad, pp. 168–175.
197. Tammet, H. (1990) Air Ion Observatory at Tahkuse: Software. *Acta Comm. Univ. Tartu* **880**, 44–51.
  198. Tammet, H.F. (1990) Otklik nazemnoï anteny na variatsii potentsiala ionosfery (in Russian, transl.: Response of a ground based antenna to the variations of the ionospheric potential). In *Magnitosfernnye issledovaniya*, Moscow, **15**, pp. 5–9.
  199. H. Tammet (1991) Supplement in the paper by Anderson, R.V. and J.C. Bailey “Errors in the Gerdien measurement of atmospheric electric conductivity”. *Meteorol. Atmos. Phys.*, **46**, 101–112, <http://www.springerlink.com/content/p8h074x412w402r6/>.
  200. Tammet, H. (1991) Aerosol electrical density: Interpretation and principles of measurement. In *Report Series in Aerosol Science, Helsinki* **19**, 128–133.
  201. Tammet, H. (1991) Recommendations for vertical current measurement as part of simultaneous observations of the global atmospheric electric circuit. *Publs. Inst. Geophys. Pol. Acad. Sci.*, **D-35**, 223–236.
  202. Tammet, H. (1991) Technical notes on simultaneous measurements of atmospheric electric currents. *Publs. Inst. Geophys. Pol. Acad. Sci.*, **D-35**, 55–69.
  203. Tammet, H. (1991) The Global Atmospheric Electricity Monitoring program. *Publs. Inst. Geophys. Pol. Acad. Sci.*, **D-35**, 11–11.
  204. Gordyuk, V.P. and Tammet, H. (1992) Modernization of the world data center for atmospheric electricity. *Proc. 9th Int. Conf. on Atmospheric Electricity*, St. Petersburg, **1**, pp. 46–49.
  205. Hörrak, U., Iher, H., Luts, A., Salm, J. and Tammet, H. (1992) Mobility spectrum of air ions at Observatory Tahkuse. *Proc. 9th Int. Conf. on Atmospheric Electricity*, St. Petersburg, **1**, pp. 72–74.
  206. Matisen, R., Miller, F., Tammet, H. and Salm, J. (1992) Air ion counters and spectrometers designed in Tartu University. *Acta Comm. Univ. Tartu* **947**, 60–67, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/G.PDF>.
  207. Salm, J., Tammet, H., Iher, H. and Hörrak, U. (1992) The dependence of small air ion mobility spectra in the ground layer of the atmosphere on temperature and pressure. *Acta Comm. Univ. Tartu* **947**, 50–56, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/E.PDF>.
  208. Tammet, H. (1992) Comparison of model distributions of aerosol particle sizes. *Acta Comm. Univ. Tartu* **947**, 136–149, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/O.PDF>.
  209. Tammet, H. (1992) Electrical parameters of air pollution. *Acta Comm. Univ. Tartu* **947**, 150–153, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/P.PDF>.
  210. Tammet, H. (1992) Notes on the interpretation of aerosol electrical density. *Acta Comm. Univ. Tartu* **947**, 154–159, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/Q.PDF>.
  211. Tammet, H. (1992) On the techniques of aerosol electrical granulometry. *Acta Comm. Univ. Tartu* **947**, 94–115, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/L.PDF>.
  212. Tammet, H., Iher, H. and Salm, J. (1992) Spectrum of atmospheric ions in the mobility range of 0.32–3.2 cm<sup>2</sup>/(V·s). *Acta Comm. Univ. Tartu* **947**, 35–49, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/D.PDF>.
  213. Langus, L. and Tammet, H. (1992) List of publications of Tartu University on air electricity in 1986–1991. *Acta et comm. Univ. Tartuensis* **947**, 160–172, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/R.PDF>.
  214. Tammet, H. and Noppel, M. (1992) Principles of the graduation of an electric aerosol granulometer. *Acta Comm. Univ. Tartu* **947**, 116–124, <http://ael.physic.ut.ee/KF.Public/sci/publs/acta/947/M.PDF>.

215. Tammet, H. (1993) Atmospheric electricity and aerosol research. *IAMAP-IAHS '93 Abstracts*, Yokohama, pp. Abstract No. M10–1.
216. Tammet, H., Israelsson, S. and Knudsen, E. (1993) Effective area of long wire antenna. *IAMAP-IAHS '93 Abstracts*, Yokohama, pp. Abstract No. M10–48.
217. Tammet, H. (1993) Air ions. In *CRC Handbook of Chemistry and Physics, 74th edition*, CRC Press, Boca Raton, Ann Arbor, London, Tokyo, pp. Sect. 14, pp. 25–27.
218. Tammet, H. (1993) Ultrafine particles in atmospheric electricity. In *Synthesis and Measurement of Ultrafine Particles*, Delft University Press, Delft, pp. 179–187.
219. Hörrak, U., Iher, H., Luts, A., Salm, J. and Tammet, H. (1994) Mobility spectrum of air ions at Tahkuse Observatory. *J. Geophys. Res. Atmospheres* **99**, 10697–10700.
220. Israelsson, S., Knudsen, E. and Tammet, H. (1994) An experiment to examine the covariation of atmospheric electrical vertical currents at two separate stations. *J. Atmos. Electricity* **14**, 63–73.
221. Tammet, H. (1994) Concept of the particle size in the nanometer range. *J. Aerosol Sci.* **25**, S375–S376.
222. Hosiokangas, J., Kikas, Ü., Pekkanen, J., Ruuskanen, J. and Tammet, H. (1995) Identifying and quantifying air pollution sources in Kuopio by receptor modeling. *J. Aerosol Sci.* **26**, S423–S424.
223. Hörrak U Salm, J. and Tammet, H. (1995) Characterization of atmospheric aerosols according to atmospheric-electric measurements. *J. Aerosol Sci.* **26**, S429–S430.
224. Hörrak U Salm, J. and Tammet, H. (1995) Outbursts of nanometer particles in atmospheric air. *J. Aerosol Sci.* **26**, S207–S208.
225. Reinart, A. and Tammet H. (1995) Electrical simulation of aerosol deposition in lungs. *J. Aerosol Sci.* **26**, S613–S614.
226. Tammet, H (1995) A multidimensional adaptive algorithm for fire detection. In *AUBE'95 Proceedings*, Duisburg, pp. 193–202.
227. Tammet, H. (1995) Peculiarities of predicted temperature dependence of nanometer particle mobilities. *J. Aerosol Sci.* **26**, S39–S40.
228. Tammet, H. (1995) Size and mobility of nanometer particles, clusters and ions. *J. Aerosol Sci.* **26**, 459–475,  
<http://www.sciencedirect.com/science/article/B6V6B-3YF4DM7-R6/2/a74b864c48f4905fc450f9465e941dab>.
229. Tammet, H., Israelsson, S., Knudsen, E. and Tuomi, T.J. (1995) Impact of electrode effect on the long-wire antenna measurement of the atmospheric electric current density. *IUGG XXI General Assembly Abstracts*, Boulder, pp. A276–A276.
230. Hörrak, U. and J. Salm and H., Tammet (1996) Outbursts of intermediate ions in atmospheric air. *Proc. 10th Int. Conf. Atmos. Electr.*, Osaka.
231. Hörrak, U., Salm, J., Tamm, E. and Tammet, H. (1996) Derivation of the size spectrum of aerosol particles from a mobility spectrum. In *Nucleation and Atmospheric Aerosols 1996*, edited by M. Kulmala and P.E., Wagner, Pergamon, pp. 562–565.
232. Hörrak, U. and J. Salm Tammet, H. (1996) Method of calculation of the size spectrum of aerosol particles according to their mobility spectrum. *J. Aerosol Sci.* **27**, S223–S224,  
<http://dx.doi.org/doi:10.1016/0021-8502%2896%2900184-X>.
233. Hörrak, U. and J. Salm Tammet, H. (1996) Statistical characterization of air ion spectra at Tahkuse Observatory 1993-1994. *Proc. 10th Int. Conf. Atmos. Electr.*, Osaka, pp. 72–75.
234. Tammet, H. (1996) Air ions and aerosol science. In *Phenomena in Ionized Gases, AIP Conf. Proc.*, **363**, pp. 224–233.
235. Tammet, H. (1996) Applications of air ion measurement in environmental diagnostics. *Europhysics Conference Abstracts*, European Physical Society, **20E, part A**, pp. XXIII–XXVI.

236. Tammet, H. (1996) Productivity of an electric mobility classifier. *J. Aerosol Sci.* **27**, S219–S220, <http://dx.doi.org/doi:10.1016/0021-8502%2896%2900182-6>.
237. Tammet, H. (1996) Reduction of air ion mobility to standard conditions. *Proc. 10th Int. Conf. Atmos. Electr.*, Osaka, pp. 64–67.
238. Tammet, H., Israelsson, S., Knudsen, E. and Tuomi, T.J. (1996) Effective area of a horizontal long-wire antenna collecting the atmospheric electric vertical current. *J. Geophys. Res. Atmospheres* **101**, 29671–29677.
239. Tammet, H. (1997) Air ions. In *CRC Handbook of Chemistry and Physics, 78th edition*, CRC Press, Boca Raton, Ann Arbor, London, Tokyo, pp. Sect. 14, pp. 30–32.
240. Tammet, H. (1997) Atmospheric ion depletion as a measure of aerosol particle diameter concentration. *J. Aerosol Sci.* **28**, S377–S378, <http://dx.doi.org/doi:10.1016/S0021-8502%2897%2985188-9>.
241. Hörrak, U., Mirme, A., Salm, J., Tamm, E. and Tammet, H. (1998) Air ion measurements as a source of information about atmospheric aerosols. *Atmos. Res.* **46**, 233–242, <http://dx.doi.org/doi:10.1016/S0169-8095%2897%2900065-3>.
242. Hörrak, U., Mirme, A., Salm, J., Tamm, E. and Tammet, H. (1998) Study of covariations of aerosol and air ion mobility spectra at Tahkuse, Estonia. *J. Aerosol Sci.* **29**, S849–S850, <http://dx.doi.org/doi:10.1016/S0021-8502%2898%2990607-3>.
243. Hörrak, U., Salm, J. and Tammet, H. (1998) Bursts of intermediate ions in atmospheric air. *J. Geophys. Res. Atmospheres* **103**, 13909–13915.
244. Kikas, Ü., Juuti, S., Ruuskanen, J. and Tammet, H. (1998) Formation and growth of aerosol particles in greenhouse. In *Report Series in Aerosol Science*, Helsinki, **41**, pp. 40–45.
245. Mirme, A., Tammet, H. and Tamm, E. (1998) Electrical aerosol spectrometry for environmental aerosol monitoring. In *Report Series in Aerosol Science*, Helsinki, **41**, pp. 9–14.
246. Tammet, H. (1998) Optimal length of the plain Loscertales mobility analyzer. *J. Aerosol Sci.* **29**, S63–S64, <http://dx.doi.org/doi:10.1016/S0021-8502%2898%2900108-6>.
247. Tammet, H. (1998) Reduction of air ion mobility to standard conditions. *J. Geophys. Res. Atmospheres* **103**, 13933–13937.
248. Tammet, H. and Kimmel, V. (1998) Electrostatic deposition of radon daughter clusters on the trees. *J. Aerosol Sci.* **29**, S473–S474, <http://dx.doi.org/doi:10.1016/S0021-8502%2898%2900690-9>.
249. Tammet, H., Mirme, A. and Tamm, E. (1998) Electrical aerosol spectrometer of Tartu University. *J. Aerosol Sci.* **29**, S427–S428, <http://dx.doi.org/doi:10.1016/S0021-8502%2898%2900595-3>.
250. Tammet, H. (1998) Air ions. In *CRC Handbook of Chemistry and Physics, 79th edition*, CRC Press, Boca Raton, Ann Arbor, London, Tokyo, pp. Sect. 14, pp. 32–34.
251. Belova, E., Kirkwood, S., Tuomi, T. and Tammet, H. (1999) Interaction between the global atmospheric circuit and ionosphere-magnetosphere phenomena. *IUGG 99 Abstracts*, IUGG, Birmingham, **B**, pp. B92.
252. Hörrak, U., Salm, J. and Tammet, H. (1999) Classification of natural air ions near the ground. *Proc. 11th Int. Conf. Atmos. Electr.*, NASA, MSFC, Alabama, pp. 618–621.
253. Tammet, H. and Israelsson, S. (1999) Atmospheric electricity as a factor of dry deposition of particulate pollution. *Proc. 11th Int. Conf. Atmos. Electr.*, NASA, MSFC, Alabama, pp. 622–625.
254. Tammet, H. (1999) The limits of air ion mobility resolution. *Proc. 11th Int. Conf. Atmos. Electr.*, NASA, MSFC, Alabama, pp. 626–629.

255. Tammet, H., Kimmel, V. and Israelsson, S. (2000) Atmospheric electric field as a factor of deposition of aerosol particles. *J. Aerosol Sci.* **31**, S1029–S1030, <http://dx.doi.org/doi:10.1016/S0021-8502%2800%2991039-5>.
256. Belova, E., Kirkwood, S., Nielsen, E. and Tammet, H. (2000) The ground-level atmospheric current response to a magnetic substorm. *Proc. 5th Internat. Conf. on Substorms*, St. Petersburg, pp. 473–476.
257. Hörrak, U., Salm, J. and Tammet, H. (2000) Statistical characterization of air ion mobility spectra at Tahkuse Observatory: Classification of air ions. *J. Geophys. Res. Atmospheres* **105**, 9291–9302.
258. Belova, E., Kirkwood, S. and Tammet, H. (2001) The effect of magnetic substorms on near-ground atmospheric current. *Ann. Geophysicae*, **18**, 1623–1629, <http://www.copernicus.org/EGU/annales/18/ag18/1623.pdf>.
259. Tammet, H., Kimmel, V. and Israelsson, S. (2001) Effect of atmospheric electricity on dry deposition of airborne particles from atmosphere. *Atmospheric Environment*, **35**, 3413–3419, <http://dx.doi.org/doi:10.1016/S1352-2310%2801%2900119-4>.
260. Israelsson, S. and Tammet, H. (2001) Variation of fair weather atmospheric electricity at Marsta Observatory, Sweden, 1993 – 1998. *Journal of Atmospheric and Solar-Terrestrial Physics*, **63/16**, 1693-1703, <http://dx.doi.org/doi:10.1016/S1364-6826%2801%2900049-9>.
261. Hörrak U., Salm J. and Tammet H. (2001) Diurnal variation of charged atmospheric aerosols in nucleation and Aitken mode ranges. *J. Aerosol Sci.* **32**, S169–S170.
262. Kimmel, V., Tammet, H., Truuts, T. (2002) Variation of atmospheric air pollution under conditions of rapid economic change - Estonia 1994 – 1999. *Atmospheric Environment*, **36**, 4133–4144, <http://dx.doi.org/doi:10.1016/S1352-2310%2802%2900281-9>.
263. Tammet, H., Mirme, A., Tamm, E. (2002) Electrical aerosol spectrometer of Tartu University. *Atmospheric Research*, **62**, 315–324, <http://dx.doi.org/doi:10.1016/S0169-8095%2802%2900017-0>.
264. Tammet H. (2002) Inclined grid mobility analyzer: The plain model. - *Abstracts of Sixth International Aerosol Conference*, **2**, 647-648.
265. Hörrak, U., Salm, J., Tammet, H. (2003) Diurnal variation in the concentration of air ions of different mobility classes at a rural area. *J. Geophys. Res. Atmospheres*, **108(D20)**, 4653, <http://dx.doi.org/doi:10.1029/2002JD003240>.
266. Hörrak, U., Salm, J., Tammet, H. (2003) Diurnal variation in the concentration of air ions of different mobility classes. *Proceedings of the 12th International Conference on Atmospheric Electricity* **1**, Versailles, pp. 287-290.
267. Tammet, H. (2003). Atmospheric ions. *Proceedings of the 12th International Conference on Atmospheric Electricity* **1**, Versailles, pp. 275-278.
268. Tammet, H. (2003). Method of inclined velocities in the air ion mobility analysis. *Proceedings of the 12th International Conference on Atmospheric Electricity* **1**, Versailles, pp. 399-402.
269. Hörrak, U., Tammet, H., Aalto, P.P, Kulmala, M. (2004) On the charge distribution on nanometer aerosol particles in the atmosphere during nucleation burst events at boreal forest. In *Report Series in Aerosol Science*, Helsinki, **68**, pp. 94-99.
270. Tammet, H. (2004) Balanced Scanning Mobility Analyzer, BSMA. In *Nucleation and Atmospheric Aerosols*, Kyoto, pp. 294-297.
271. Hörrak, U., Tammet, H., Aalto, P.P., Kulmala, M. (2004) Charging state of nanometer aerosol particles in the atmosphere during nucleation burst events at boreal forest. In *Nucleation and Atmospheric Aerosols*, Kyoto, pp. 307-310.
272. Tammet, H., Kulmala, M. (2004) Simulator of atmospheric aerosol nucleation bursts. In *Nucleation and Atmospheric Aerosols*, Kyoto, pp. 528-531.

273. Hörrak, U., Tammet, H., Aalto, P.P., Kulmala, M. (2004) Charge distribution on nanometer aerosol particles in the atmosphere during nucleation burst events. *J. Aerosol Sci.* **35**, *Abstr. EAC2004*, S299-S300.
274. Laakso, L., Petäjä, T., Lehtinen, K.E.J., Kulmala, M., Paatero, J., Hörrak, U., Tammet, H., Joutsensaari, J. (2004) Ion production rate in a boreal forest based on ion, particle and radiation measurements. *Atmos. Chem. Phys. Discuss.* **4**, 3947-3973.
275. Kulmala, M., Laakso, L., Lehtinen, K.E.J., Riipinen, I., Dal Maso, M., Anttila, T., Kerminen, V.-M., Hörrak, U., Vana, M., Tammet, H., (2004) Initial steps of aerosol growth. *Atmos. Chem. Phys. Discuss.* **4**, 5433-5454.
276. Laakso, L., Petäjä, T., Lehtinen, K.E.J., Kulmala, M., Paatero, J., Hörrak, U., Tammet, H., Joutsensaari, J. (2004) Ion production rate in a boreal forest based on ion, particle and radiation measurements. *Atmos. Chem. Phys.* **4**, 1933-1943, <http://www.atmos-chem-phys.net/4/1933/2004/>.
277. Kulmala, M., Laakso, L., Lehtinen, K.E.J., Riipinen, I., Dal Maso, M., Anttila, T., Kerminen, V.-M., Hörrak, U., Vana, M., Tammet, H. (2004) Initial steps of aerosol growth. *Atmos. Chem. Phys.* **4**, 2553-2560, <http://www.atmos-chem-phys.net/4/2553/2004/>.
278. Tammet, H., Kulmala, M. (2005) Simulation tool for atmospheric aerosol nucleation bursts. *J. Aerosol Sci.* **36**, 173-196, <http://dx.doi.org/doi:10.1016/j.jaerosci.2004.08.004>.
279. Hörrak, U., Tammet, H., Aalto, P.P., Vana, M., Hirsikko, A., Laakso, L., Kulmala, M. (2005) Formation of charged nanometer aerosol particles associated with rainfall. In *Abstracts of the European Aerosol Conference 2005*, edited by W. Maenhaut, Ghent, p. 606.
280. Tammet, H. (2005) Elekter õhus. In *Universum valguses ja vihma*, koost. U. Veisman ja R. Veskimäe, Reves Grupp, Tallinn, 47-55.
281. Tammet H., Hörrak U., Laakso L., Kulmala M. (2006) Factors of air ion balance in a coniferous forest according to measurements in Hyytiälä, Finland. *Atmos. Chem. Phys.*, **6**, 3377-3390, <http://www.atmos-chem-phys.net/6/3377/2006/>.
282. Tammet, H. (2006) Continuous scanning of the mobility and size distribution of charged clusters and nanometer particles in atmospheric air and the Balanced Scanning Mobility Analyzer BSMA. *Atmos. Res.*, **82**, 523-535, <http://dx.doi.org/doi:10.1016/j.atmosres.2006.02.009>.
283. Vana, M., Tamm, E., Hörrak, U., Mirme, A., Tammet, H., Laakso, L., Aalto, P.P., Kulmala, M. (2006) Charging state of atmospheric nanoparticles during the nucleation burst events. *Atmos. Res.*, **82**, 536-546, <http://dx.doi.org/doi:10.1016/j.atmosres.2006.02.010>.
284. Hirsikko, A., Laakso, L., Bergman, T., Petäjä, T., Gagne, S., Vana, M., Hörrak, U., Aalto, P., Mirme, A., Tammet, H., Kulmala, M. (2006) Air ion and aerosol particle measurements and the formation of new particles. In *Report Series in Aerosol Science*, Helsinki, **80**, 50-53.
285. Tammet, H., Tamm, E., Salm, J., Realo, E. (2006) Aerosoolid ja radioaktiivsus keskkonnas. *Teadusmõte Eestis, täppisteadused*. Eesti Teaduste Akadeemia, Tallinn, 127-134, [http://www.fyysika.ee/doc/akad\\_96\\_aero.pdf](http://www.fyysika.ee/doc/akad_96_aero.pdf).
286. Hörrak, U., Tammet, H., Aalto, P.P., Vana, M., Hirsikko, A., Laakso, L., Kulmala, M. (2006) Formation of Charged Nanometer Aerosol Particles Associated with Rainfall: Atmospheric Measurements and Lab Experiment. In *Report Series in Aerosol Science*, Helsinki, **81**, 180-185.
287. Tammet, H. (2007) Air ion research 2003-2006. *Proceedings of the 13th International Conference on Atmospheric Electricity* **1**, Beijing, pp. 84-87.
288. Tammet, H. (2007) A joint dataset of fair-weather atmospheric electricity. *Proceedings of the 13th International Conference on Atmospheric Electricity* **1**, Beijing, pp. 104-107.

289. Komsaare, K., Hörrak, U., Tammet, H., Siingh, D., Vana, M., Hirsikko, A., Kulmala, M. (2007) Classification of intermediate air ion formation events at Tahkuse observatory, Estonia. *Proceedings of the 13th International Conference on Atmospheric Electricity* **1**, Beijing, pp. 116-119.
290. Kulmala, M., Tammet, H. (2007) Finnish–Estonian air ion and aerosol workshops, *Boreal Env. Res.*, **12**, 237-245, <http://www.borenv.net/BER/pdfs/ber12/ber12-237.pdf>.
291. Tammet, H., Kulmala, M. (2007) Simulating aerosol nucleation bursts in a coniferous forest, *Boreal Env. Res.*, **12**, 421-430, <http://www.borenv.net/BER/pdfs/ber12/ber12-421.pdf>.
292. Hörrak, U., Aalto, P.P., Salm, J., Komsaare, K., Tammet, H., Mäkelä, J.M., Laakso, L., Kulmala, M. (2007) Characterization of positive air ions in boreal forest air at the Hyytiälä SMEAR station, *Atmos. Chem. Phys. Discuss.*, **7**, 9465-9517, <http://www.atmos-chem-phys-discuss.net/7/9465/2007/acpd-7-9465-2007.pdf>.
293. Hörrak, U., Aalto, P.P., Salm, J., Komsaare, K., Tammet, H., Mäkelä, J.M., Laakso, L., Kulmala, M. (2008) Variation and balance of positive air ion concentrations in a boreal forest. *Atmos. Chem. Phys.*, **8**, 655-675, <http://www.atmos-chem-phys.net/8/655/2008/acp-8-655-2008.pdf>.
294. Junninen, H., Hulkkonen, M., Riipinen, I., Nieminen, T., Hirsikko, A., Suni, T., Boy, M., Lee, S.-H., Vana, M., Tammet, H., Kulmala, M. (2008) Observations on nocturnal growth of atmospheric clusters, *Tellus 60B*, 365-371. <http://dx.doi.org/doi:10.1111/j.1600-0889.2008.00356.x>
295. Junninen, H., Hulkkonen, M., Riipinen, I., Nieminen, T., Hirsikko, A., Suni, T., Boy, M., Lee, S.H., Vana, M., Tammet, H., Kerminen, V.M., Kulmala, M. (2008) Nocturnal formation of atmospheric clusters, *European Aerosol Conference 2008*, Thessaloniki, Abstract T03A018O.
296. Harrison, R.G., Tammet, H. (2008) Ions in the terrestrial atmosphere and other solar system atmospheres. *Space Sci. Rev.*, **137**, 107-118, <http://dx.doi.org/doi:10.1007/s11214-008-9356-x>.
297. Tammet, H., Hörrak, U., Kulmala, M. (2008) Negatively charged nanoparticles produced by splashing of water. *Atmos. Chem. Phys. Discuss.*, **8**, 16609-16641, <http://www.atmos-chem-phys-discuss.net/8/16609/2008/>.
298. Tammet, H. (2009) A joint dataset of fair-weather atmospheric electricity. *Atmos. Res.*, **91**, 194-200, <http://dx.doi.org/doi:10.1016/j.atmosres.2008.01.012>.
299. Tammet, H., Hörrak, U., Kulmala, M. (2009) Negatively charged nanoparticles produced by splashing of water. *Atmos. Chem. Phys.*, **9**, 357-367, <http://www.atmos-chem-phys.net/9/357/2009/>.
300. Komsaare, K., Hörrak, U., Tammet, H. (2009). Classification of intermediate air ion formation events at urban area, *European Aerosol Conference 2009*, Karlsruhe, Abstract T041A19, <http://www.gaef.de/EAC2009/EAC2009abstracts/T04%20AA%20aerosol%20processes%20and%20properties/T041A19.pdf>.