Evgeny E Tereshatov

List of Publications by Year
in descending order

39	1,168	567281 15	377865 34
papers	citations	h-index	g-index

39	39	39	819
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical characterization of element 112. Nature, 2007, 447, 72-75.	27.8	282
2	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>48</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mrow><mml:mi>Bk</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>249</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>Fusion	7.8	220
3	First evidence of metal transfer into hydrophobic deep eutectic and low-transition-temperature mixtures: indium extraction from hydrochloric and oxalic acids. Green Chemistry, 2016, 18, 4616-4622.	9.0	125
4	Thermochemical and Physical Properties of Element 112. Angewandte Chemie - International Edition, 2008, 47, 3262-3266.	13.8	89
5	Search for elements 119 and 120. Physical Review C, 2020, 102, .	2.9	41
6	Mutual solubility of water and hydrophobic ionic liquids in the presence of hydrochloric acid. RSC Advances, 2016, 6, 56260-56270.	3.6	39
7	Chemical Identification of a Long-Lived Isotope of Dubnium, a Descendant of Element 115. Nuclear Physics A, 2007, 787, 388-395.	1.5	36
8	Attempt to produce the isotopes of element 108 in the fusion reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>136</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>136</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Revie	2.9	31
9	Confirmation of the Decay of 283112 and First Indication for Hg-like Behavior of Element 112. Nuclear Physics A, 2007, 787, 373-380.	1.5	29
10	The Radiochemical Analysis of Gaseous Samples (RAGS) apparatus for nuclear diagnostics at the National Ignition Facility (invited). Review of Scientific Instruments, 2012, 83, 10D917.	1.3	29
11	Fusion reaction <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>48</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Bk</mml:mi><mml:mprescripts /><mml:none /><mml:mn>249</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> leading to		

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19	Effect of aqueous hydrochloric acid and zwitterionic betaine on the mutual solubility between a protic betainium-based ionic liquid and water. Journal of Molecular Liquids, 2019, 276, 296-306.	4.9	12
20	Extraction and separation of iridium(IV) and rhodium(III) from hydrochloric acid media by a quaternary ammonium-based hydrophobic eutectic solvent. Separation and Purification Technology, 2021, 278, 118814.	7.9	10
21	Separation, speciation, and mechanism of astatine and bismuth extraction from nitric acid into 1-octanol and methyl anthranilate. Separation and Purification Technology, 2022, 282, 120088.	7.9	10
22	Effect of hydrophobic ionic liquids aqueous solubility on metal extraction from hydrochloric acid media: Mathematical modelling and trivalent thallium behavior. Separation and Purification Technology, 2021, 255, 117650.	7.9	9
23	Separation of group five elements by reversed-phase chromatography. Journal of Radioanalytical and Nuclear Chemistry, 2008, 275, 651-657.	1.5	8
24	Valence states of cyclotron-produced thallium. New Journal of Chemistry, 2021, 45, 3377-3381.	2.8	8
25	Hot fusion-evaporation cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Sc</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>45</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>-induced reactions with lanthanide targets. Physical Review C, 2015, 92, .	2.9	7
26	Ion-exchange separation of Zr and Hf microamounts in dilute HCl/HF solutions: A model system for chemical identification of Rf and study of its properties. Radiochemistry, 2008, 50, 381-385.	0.7	6
27	Hydrophobic polymerized ionic liquids for trace metal solid phase extraction: thallium transfer from hydrochloric acid media. New Journal of Chemistry, 2019, 43, 8958-8969.	2.8	6
28	Compact automated apparatus for rapid astatine recovery from nitric acid media: Design, application, and impurity characterization. Chemical Engineering Journal, 2022, 442, 136176.	12.7	6
29	Hot fusion-evaporation cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>44</mml:mn></mml:mmultiscripts></mml:math>-induced reactions with lanthanide targets. Physical Review C, 2015, 92, .	2.9	5
30	A simple and quick method for the preparation of radionuclide 87Y/87mSr generator using the natRb(Î±,xn)87Y reaction. Journal of Radioanalytical and Nuclear Chemistry, 2009, 279, 341-343.	1.5	4
31	Cation-exchange separation of Group V elements: Model experiments on isolation and chemical identification of Db. Radiochemistry, 2008, 50, 290-293.	0.7	3
32	Isocratic anion exchange separations of Group V elements. Journal of Radioanalytical and Nuclear Chemistry, 2010, 286, 9-16.	1.5	3
33	Procedures for Db chemical characterization in off-line experiments. Journal of Radioanalytical and Nuclear Chemistry, 2012, 293, 331-337.	1.5	2
34	K -shell internal conversion coefficient for M4 decay of the 30.8 keV isomer in Nb93. Physical Review C, 2020, 102, .	2.9	2
35	Rapid extraction of short-lived isotopes from a buffer gas cell for use in gas-phase chemistry experiments, Part II: On-line studies with short-lived accelerator-produced radionuclides. Nuclear Instruments & Methods in Physics Research B, 2021, 507, 27-35.	1.4	2
36	Radiochemical Separation of Zr and Hf by Cation Exchange Chromatography in HCl/HF Solutions: A Model System for the Chemical Identification and Study of Rf. AIP Conference Proceedings, 2007, , .	0.4	0

#	Article	IF	Citations
37	Radiochemical Separation of Group 5 Elements. Model Experiments for Investigation of Dubnium Chemical Behaviour. AIP Conference Proceedings, 2007, , .	0.4	0
38	Confirmation Of Super Heavy Element Production In [sup 48]Ca Induced Fusion Reactions A Handshake Of Physics And Chemistry For Element 112. AIP Conference Proceedings, 2008, , .	0.4	0
39	Relatively Long-Lived Dubnium Isotopes and Chemical Identification of Superheavy Elements. , 2010, , .		0