

# Vyacheslav S Bryantsev

## List of Publications by Year in descending order

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115  
papers

7,292  
citations

57631

44  
h-index

56606

83  
g-index

120  
all docs

120  
docs citations

120  
times ranked

7514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of Solvation Free Energies of Charged Solutes Using Mixed Cluster/Continuum Models. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9709-9719.	1.2	567
2	Anion-arene adducts: C-H hydrogen bonding, anion- interaction, and carbon bonding motifs. <i>Chemical Communications</i> , 2008, , 2417.	2.2	361
3	Evaluation of B3LYP, X3LYP, and M06-Class Density Functionals for Predicting the Binding Energies of Neutral, Protonated, and Deprotonated Water Clusters. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 1016-1026.	2.3	326
4	Predicting Solvent Stability in Aprotic Electrolyte Li-Air Batteries: Nucleophilic Substitution by the Superoxide Anion Radical ( $O_2^{\cdot-}$ ). <i>Journal of Physical Chemistry A</i> , 2011, 115, 12399-12409.	1.1	320
5	A Rechargeable Li-O <sub>2</sub> Battery Using a Lithium Nitrate/ <i>N,N</i> -Dimethylacetamide Electrolyte. <i>Journal of the American Chemical Society</i> , 2013, 135, 2076-2079.	6.6	308
6	Structural Criteria for the Design of Anion Receptors: The Interaction of Halides with Electron-Deficient Arenes. <i>Journal of the American Chemical Society</i> , 2007, 129, 48-58.	6.6	301
7	Bio-inspired nano-traps for uranium extraction from seawater and recovery from nuclear waste. <i>Nature Communications</i> , 2018, 9, 1644.	5.8	300
8	PAMAM Dendrimers Undergo pH Responsive Conformational Changes without Swelling. <i>Journal of the American Chemical Society</i> , 2009, 131, 2798-2799.	6.6	249
9	The Identification of Stable Solvents for Nonaqueous Rechargeable Li-Air Batteries. <i>Journal of the Electrochemical Society</i> , 2013, 160, A160-A171.	1.3	181
10	Computational Study of the Mechanisms of Superoxide-Induced Decomposition of Organic Carbonate-Based Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 379-383.	2.1	179
11	Are C-H Groups Significant Hydrogen Bonding Sites in Anion Receptors? Benzene Complexes with Cl <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , and ClO <sub>4</sub> <sup>-</sup> . <i>Journal of the American Chemical Society</i> , 2005, 127, 8282-8283.	6.6	157
12	Development and Validation of a ReaxFF Reactive Force Field for Cu Cation/Water Interactions and Copper Metal/Metal Oxide/Metal Hydroxide Condensed Phases. <i>Journal of Physical Chemistry A</i> , 2010, 114, 9507-9514.	1.1	156
13	Predicting Autoxidation Stability of Ether- and Amide-Based Electrolyte Solvents for Li-Air Batteries. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7128-7138.	1.1	146
14	pKa Calculations of Aliphatic Amines, Diamines, and Aminoamides via Density Functional Theory with a Poisson-Boltzmann Continuum Solvent Model. <i>Journal of Physical Chemistry A</i> , 2007, 111, 4422-4430.	1.1	131
15	Influence of Substituents on the Strength of Aryl C-H...Anion Hydrogen Bonds. <i>Organic Letters</i> , 2005, 7, 5031-5034.	2.4	124
16	XAFS investigation of polyamidoxime-bound uranyl contests the paradigm from small molecule studies. <i>Energy and Environmental Science</i> , 2016, 9, 448-453.	15.6	115
17	Experimental and Computational Analysis of the Solvent-Dependent O <sub>2</sub> /Li <sup>+</sup> Redox Couple: Standard Potentials, Coupling Strength, and Implications for Lithium-Oxygen Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3129-3134.	7.2	111
18	Computational Study of Copper(II) Complexation and Hydrolysis in Aqueous Solutions Using Mixed Cluster/Continuum Models. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9559-9567.	1.1	110

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19	Origin of the unusually strong and selective binding of vanadium by polyamidoximes in seawater. <i>Nature Communications</i> , 2017, 8, 1560.	5.8	110
20	Anion Coordination in Metal-Organic Frameworks Functionalized with Urea Hydrogen-Bonding Groups. <i>Crystal Growth and Design</i> , 2006, 6, 555-563.	1.4	101
21	Lithium Nitrate As Regenerable SEI Stabilizing Agent for Rechargeable Li/O <sub>2</sub> Batteries. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 3760-3765.	2.1	97
22	Hydration of Copper(II): New Insights from Density Functional Theory and the COSMO Solvation Model. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9104-9112.	1.1	96
23	ReaxFF Reactive Force Field Simulations on the Influence of Teflon on Electrolyte Decomposition during Li/SWCNT Anode Discharge in Lithium-Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2014, 161, E3009-E3014.	1.3	88
24	Siderophore-inspired chelator hijacks uranium from aqueous medium. <i>Nature Communications</i> , 2019, 10, 819.	5.8	84
25	Predicting Stability Constants for Uranyl Complexes Using Density Functional Theory. <i>Inorganic Chemistry</i> , 2015, 54, 3995-4001.	1.9	83
26	De Novo Structure-Based Design of Bisurea Hosts for Tetrahedral Oxoanion Guests. <i>Journal of the American Chemical Society</i> , 2006, 128, 2035-2042.	6.6	77
27	Stability of Lithium Superoxide LiO <sub>2</sub> in the Gas Phase: Computational Study of Dimerization and Disproportionation Reactions. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8165-8169.	1.1	76
28	Outer-Sphere Water Clusters Tune the Lanthanide Selectivity of Diglycolamides. <i>ACS Central Science</i> , 2018, 4, 739-747.	5.3	69
29	Investigation of Fluorinated Amides for Solid Electrolyte Interphase Stabilization in Li-O <sub>2</sub> Batteries Using Amide-Based Electrolytes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11977-11988.	1.5	68
30	Straining to Separate the Rare Earths: How the Lanthanide Contraction Impacts Chelation by Diglycolamide Ligands. <i>Inorganic Chemistry</i> , 2017, 56, 1152-1160.	1.9	68
31	Bis-lactam-1,10-phenanthroline (BLPhen), a New Type of Preorganized Mixed N,O-Donor Ligand That Separates Am(III) over Eu(III) with Exceptionally High Efficiency. <i>Inorganic Chemistry</i> , 2017, 56, 5911-5917.	1.9	64
32	CO <sub>2</sub> Capture via Crystalline Hydrogen-Bonded Bicarbonate Dimers. <i>CheM</i> , 2019, 5, 719-730.	5.8	64
33	Conformational Analysis and Rotational Barriers of Alkyl- and Phenyl-Substituted Urea Derivatives. <i>Journal of Physical Chemistry A</i> , 2005, 109, 832-842.	1.1	61
34	Trefoil-Shaped Outer-Sphere Ion Clusters Mediate Lanthanide(III) Ion Transport with Diglycolamide Ligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 17350-17358.	6.6	60
35	Synergistic Effect of Oxygen and LiNO <sub>3</sub> on the Interfacial Stability of Lithium Metal in a Li/O <sub>2</sub> Battery. <i>Journal of the Electrochemical Society</i> , 2013, 160, A1544-A1550.	1.3	58
36	Theoretical prediction of Am(III)/Eu(III) selectivity to aid the design of actinide-lanthanide separation agents. <i>Dalton Transactions</i> , 2015, 44, 7935-7942.	1.6	58

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37	Development of a ReaxFF Reactive Force Field for Aqueous Chloride and Copper Chloride. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3556-3568.	1.1	55
38	Acidity of the Amidoxime Functional Group in Aqueous Solution: A Combined Experimental and Computational Study. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3567-3576.	1.2	54
39	First-Principles Integrated Adsorption Modeling for Selective Capture of Uranium from Seawater by Polyamidoxime Sorbent Materials. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12580-12593.	4.0	53
40	Efficient Separation of Light Lanthanides(III) by Using Bis- $\beta$ -Lactam Phenanthroline Ligands. <i>Chemistry - A European Journal</i> , 2019, 25, 6326-6331.	1.7	51
41	Predicting the stability of aprotic solvents in Li-air batteries: pKa calculations of aliphatic C-H acids in dimethyl sulfoxide. <i>Chemical Physics Letters</i> , 2013, 558, 42-47.	1.2	49
42	Elucidating Ionic Correlations Beyond Simple Charge Alternation in Molten $MgCl_2 \cdot KCl$ Mixtures. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7603-7610.	2.1	49
43	Adsorption mechanism of alkyl hydroxamic acid onto bastnäs site: Fundamental steps toward rational collector design for rare earth elements. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 210-219.	5.0	47
44	Quantum Chemical Analysis of the Thermodynamics of 2D Cluster Formation of Odd-n-Alcohols at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 11285-11294.	1.2	46
45	Computer-Aided Molecular Design of Bis-phosphine Oxide Lanthanide Extractants. <i>Inorganic Chemistry</i> , 2016, 55, 5787-5803.	1.9	46
46	Two-Electron Three-Centered Bond in Side-On ( $\eta^{2-}$ ) Uranyl(V) Superoxo Complexes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5777-5780.	1.1	44
47	Conformational Preferences and Internal Rotation in Alkyl- and Phenyl-Substituted Thiourea Derivatives. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4678-4688.	1.1	43
48	Spatial Engineering Direct Cooperativity between Binding Sites for Uranium Sequestration. <i>Advanced Science</i> , 2021, 8, 2001573.	5.6	43
49	Highly Preorganized Ligand 1,10-Phenanthroline-2,9-dicarboxylic Acid for the Selective Recovery of Uranium from Seawater in the Presence of Competing Vanadium Species. <i>Inorganic Chemistry</i> , 2016, 55, 10818-10829.	1.9	42
50	Calculation of solvation free energies of $Li^+$ and $O_2^{\cdot-}$ ions and neutral lithium-oxygen compounds in acetonitrile using mixed cluster/continuum models. <i>Theoretical Chemistry Accounts</i> , 2012, 131, 1.	0.5	41
51	Synthesis of Naphthalimidedioxime Ligand-Containing Fibers for Uranium Adsorption from Seawater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4161-4169.	1.8	40
52	Aqueous Sulfate Separation by Sequestration of $[(SO_4)_4(H_2O)_4]^{\cdot-}$ Clusters within Highly Insoluble Imine-Linked Bis-Guanidinium Crystals. <i>Chemistry - A European Journal</i> , 2016, 22, 1997-2003.	1.7	39
53	Structure Activity Relationship Approach toward the Improved Separation of Rare-Earth Elements Using Diglycolamides. <i>Inorganic Chemistry</i> , 2020, 59, 17620-17630.	1.9	39
54	Temperature Dependence of Short and Intermediate Range Order in Molten $MgCl_2$ and Its Mixture with KCl. <i>Journal of Physical Chemistry B</i> , 2020, 124, 2892-2899.	1.2	38

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55	Quantum Chemical Analysis of Thermodynamics of the Two-Dimensional Cluster Formation at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2002, 106, 121-131.	1.2	37
56	Addition of $H_2O$ and $O_2$ to Acetone and Dimethylsulfoxide Ligated Uranyl(V) Dioxocations. <i>Journal of Physical Chemistry A</i> , 2009, 113, 2350-2358.	1.1	36
57	Amidoximes as ligand functionalities for braided polymeric materials for the recovery of uranium from seawater. <i>Polyhedron</i> , 2016, 109, 81-91.	1.0	33
58	A Computational Approach to Predicting Ligand Selectivity for the Size-Based Separation of Trivalent Lanthanides. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3474-3479.	1.0	31
59	Theoretical Study of Oxovanadium(IV) Complexation with Formamidoximate: Implications for the Design of Uranyl-Selective Adsorbents. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 4231-4240.	1.8	31
60	Experimental and Computational Analysis of the Solvent-Dependent $O_2/Li^+O_2^+$ Redox Couple: Standard Potentials, Coupling Strength, and Implications for Lithium-Oxygen Batteries. <i>Angewandte Chemie</i> , 2016, 128, 3181-3186.	1.6	30
61	A comparative study of surface energies and water adsorption on Ce-bastnÅsite, La-bastnÅsite, and calcite via density functional theory and water adsorption calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7820-7832.	1.3	30
62	Quantum chemical semi-empirical approach to the thermodynamic characteristics of oligomers and large aggregates of alcohols at the water/air interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 209, 1-14.	2.3	28
63	Crystal Structures, Surface Stability, and Water Adsorption Energies of La-BastnÅsite via Density Functional Theory and Experimental Studies. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16767-16781.	1.5	28
64	Quantum Chemical Semiempirical Approach to the Structural and Thermodynamic Characteristics of Fluoroalkanols at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 454-462.	1.2	27
65	Theoretical study of the coordination behavior of formate and formamidoximate with dioxovanadium( $v$ ) cation: implications for selectivity towards uranyl. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 31715-31726.	1.3	27
66	Radiometric evaluation of diglycolamide resins for the chromatographic separation of actinium from fission product lanthanides. <i>Talanta</i> , 2017, 175, 318-324.	2.9	24
67	Connections between the Speciation and Solubility of Ni(II) and Co(II) in Molten $ZnCl_2$ . <i>Journal of Physical Chemistry B</i> , 2020, 124, 1253-1258.	1.2	24
68	N-methylacetamide as an Electrolyte Solvent for Rechargeable Li-O <sub>2</sub> Batteries: Unexpected Stability at the O <sub>2</sub> electrode. <i>ECS Electrochemistry Letters</i> , 2013, 3, A11-A14.	1.9	23
69	Assessing ligand selectivity for uranium over vanadium ions to aid in the discovery of superior adsorbents for extraction of $UO_2^{2+}$ from seawater. <i>Dalton Transactions</i> , 2016, 45, 10744-10751.	1.6	23
70	Quantifying the binding strength of salicylaldoxime-uranyl complexes relative to competing salicylaldoxime-transition metal ion complexes in aqueous solution: a combined experimental and computational study. <i>Dalton Transactions</i> , 2016, 45, 9051-9064.	1.6	23
71	Influence of a Heterocyclic Nitrogen-Donor Group on the Coordination of Trivalent Actinides and Lanthanides by Aminopolycarboxylate Complexants. <i>Inorganic Chemistry</i> , 2018, 57, 1373-1385.	1.9	23
72	Dialing in Direct Air Capture of $CO_2$ by Crystal Engineering of Bisiminoguanidines. <i>ChemSusChem</i> , 2020, 13, 6381-6390.	3.6	23

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73	Unraveling Local Structure of Molten Salts via X-ray Scattering, Raman Spectroscopy, and <i>Ab Initio</i> Molecular Dynamics. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5971-5982.	1.2	23
74	Structure and dynamics of the molten alkali-chloride salts from an X-ray, simulation, and rate theory perspective. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22900-22917.	1.3	22
75	Molecular Recognition at Mineral Interfaces: Implications for the Beneficiation of Rare Earth Ores. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 16327-16341.	4.0	20
76	A Holistic Approach for Elucidating Local Structure, Dynamics, and Speciation in Molten Salts with High Structural Disorder. <i>Journal of the American Chemical Society</i> , 2021, 143, 15298-15308.	6.6	20
77	Thermodynamic, Spectroscopic, and Computational Studies of <i>f</i> -Element Complexation by <i>N,N</i> -Hydroxyethyl-diethylenetriamine- <i>N,N</i> -, <i>N,N</i> -, <i>N,N</i> -, <i>N,N</i> -tetraacetic Acid. <i>Inorganic Chemistry</i> , 2017, 56, 1722-1733.	1.9	19
78	Comparison of fixed charge and polarizable models for predicting the structural, thermodynamic, and transport properties of molten alkali chlorides. <i>Journal of Chemical Physics</i> , 2020, 153, 214502.	1.2	19
79	High Concentration Lithium Nitrate/Dimethylacetamide Electrolytes for Lithium/Oxygen Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2673-A2678.	1.3	18
80	Capping the calix: how toluene completes cesium( <i>sc</i> ) coordination with calix[4]pyrrole. <i>Chemical Communications</i> , 2017, 53, 5610-5613.	2.2	18
81	Absolute Molecular Orientation of Isopropanol at Ceria (100) Surfaces: Insight into Catalytic Selectivity from the Interfacial Structure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14137-14146.	1.5	18
82	Quantum chemistry benchmarking of binding and selectivity for lanthanide extractants. <i>International Journal of Quantum Chemistry</i> , 2018, 118, e25516.	1.0	17
83	Predicting the Electrochemical Behavior of Lithium Nitrite in Acetonitrile with Quantum Chemical Methods. <i>Journal of the American Chemical Society</i> , 2014, 136, 3087-3096.	6.6	16
84	Finding Order in the Disordered Hydration Shell of Rapidly Exchanging Water Molecules around the Heaviest Alkali Cs <sup>+</sup> and Fr <sup>+</sup> . <i>Journal of Physical Chemistry B</i> , 2018, 122, 12067-12076.	1.2	16
85	Quantum Chemical Prediction of <i>pK<sub>a</sub></i> Values of Cationic Ion-Exchange Groups in Polymer Electrolyte Membranes. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2490-2501.	1.5	14
86	Calculation of thermochemical properties of conjugated radicals. <i>International Journal of Quantum Chemistry</i> , 2004, 96, 123-135.	1.0	13
87	A Molecular-Scale Approach to Rare-Earth Beneficiation: Thinking Small to Avoid Large Losses. <i>IScience</i> , 2020, 23, 101435.	1.9	13
88	X-ray scattering reveals ion clustering of dilute chromium species in molten chloride medium. <i>Chemical Science</i> , 2021, 12, 8026-8035.	3.7	13
89	Bifunctional Ionic Covalent Organic Networks for Enhanced Simultaneous Removal of Chromium(VI) and Arsenic(V) Oxoanions via Synergetic Ion Exchange and Redox Process. <i>Small</i> , 2021, 17, e2104703.	5.2	13
90	Using the MMFF94 model to predict structures and energies for hydrogen-bonded urea <sup>-</sup> anion complexes. <i>Computational and Theoretical Chemistry</i> , 2005, 725, 177-182.	1.5	12



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91	Simple guanidinium motif for the selective binding and extraction of sulfate. <i>Separation Science and Technology</i> , 2018, 53, 1864-1873.	1.3	12
92	The Coordination Chemistry and Stoichiometry of Extracted Diglycolamide Complexes of Lanthanides in Extraction Chromatography Materials. <i>Solvent Extraction and Ion Exchange</i> , 2022, 40, 6-27.	0.8	11
93	Transition State for Aggregation and Reorganization of Normal Fatty Alcohols at the Air/Water Interface. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8330-8337.	1.2	10
94	Synthesis and characterization of a novel aminopolycarboxylate complexant for efficient trivalent f-element differentiation: N-butyl-2-acetamide-diethylenetriamine-N,N,N',N'-tetraacetic acid. <i>Dalton Transactions</i> , 2018, 47, 1092-1105.	1.6	10
95	Mineralâ€œWater Interface Structure of Xenotime (YPO <sub>4</sub> ) {100}. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20232-20243.	1.5	10
96	Complexation of lanthanides and other metal ions by the polypyridyl ligand quaterpyridine: Relation between metal ion size, chelate ring size, and complex stability. <i>Inorganica Chimica Acta</i> , 2019, 488, 19-27.	1.2	10
97	Exploring Soft Donor Character of the N-2-Pyrazinylmethyl Group by Coordinating Trivalent Actinides and Lanthanides Using Aminopolycarboxylates. <i>Inorganic Chemistry</i> , 2020, 59, 138-150.	1.9	10
98	Hydration structure and water exchange kinetics at xenotimeâ€œwater interfaces: implications for rare earth minerals separation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 7719-7727.	1.3	10
99	A conformationally persistent pseudo-bicyclic guanidinium for anion coordination as stabilized by dual intramolecular hydrogen bonds. <i>RSC Advances</i> , 2015, 5, 107266-107269.	1.7	9
100	Enhancing selectivity of cation exchange with anion receptors. <i>Chemical Communications</i> , 2019, 55, 3590-3593.	2.2	8
101	Influence of a Preâ€œorganized Nâ€œDonor Group on the Coordination of Trivalent Actinides and Lanthanides by an Aminopolycarboxylate Complexant. <i>Chemistry - A European Journal</i> , 2019, 25, 2545-2555.	1.7	8
102	Improving the theoretical description of Ln( <i>iii</i> )/An( <i>iii</i> ) separation with phosphinic acid ligands: a benchmarking study of structure and selectivity. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 19558-19570.	1.3	6
103	Guanidinium-Based Ionic Covalent-Organic Nanosheets for Sequestration of Cr(VI) and As(V) Oxoanions in Water. <i>ACS Applied Nano Materials</i> , 2021, 4, 13319-13328.	2.4	6
104	Improving Rare-Earth Mineral Separation with Insights from Molecular Recognition: Functionalized Hydroxamic Acid Adsorption onto Bastnâ€œsite and Calcite. <i>Langmuir</i> , 2022, 38, 5439-5453.	1.6	6
105	Two Ligands of Interest in Recovering Uranium from the Oceans: The Correct Formation Constants of the Uranyl(VI) Cation with 2,2â€œ-Bipyridyl-6,6â€œ-dicarboxylic Acid and 1,10-Phenanthroline-2,9-dicarboxylic Acid. <i>Inorganic Chemistry</i> , 2022, 61, 9960-9967.	1.9	6
106	Aggregation and re-organization of normal fatty alcohols at the air/water interface. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 239, 135-140.	2.3	5
107	Spectroscopic characterization of neptunium( <i>vi</i> ), plutonium( <i>vi</i> ), americium( <i>vi</i> ) and neptunium( <i>v</i> ) encapsulated in uranyl nitrate hexahydrate. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13228-13241.	1.3	2
108	Aminopolycarboxylates in trivalent f-element separations. <i>Fundamental Theories of Physics</i> , 2021, 60, 1-162.	0.1	2

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109	A Photoresponsive Receptor with a $10^5$ Magnitude of Reversible Anion-Binding Switching. Chemistry - A European Journal, 2022, , .	1.7	2
110	Comment on Using Cyclic Voltammetry to Determine a Standard Potential of a Reversible Redox Couple Involving Oxidation or Reduction of a Gas. Journal of the Electrochemical Society, 2013, 160, H818-H819.	1.3	1
111	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1244-1251.	0.3	0
112	Title is missing!. Russian Journal of Organic Chemistry, 2002, 38, 1588-1593.	0.3	0
113	Substituent Effects on Hyperfine Coupling Constants Analyzed in Terms of p-Bound Electron Perturbation Theory. Journal of Structural Chemistry, 2003, 44, 803-812.	0.3	0
114	Computer-Aided Design of Organic Host Architectures for Selective Chemosensors. , 2009, , 113-133.		0
115	Anti-electrostatic hydrogen-bonded tellurate dimers captured and stabilized by crystallization of a bis-iminoguanidinium salt. Polyhedron, 2022, 223, 115990.	1.0	0