

Sergey A Kislenko

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

549
citations

12
h-index

22
g-index

35
ext. papers

643
ext. citations

2.6
avg, IF

4.29
L-index

#	Paper	IF	Citations
35	Effect of a Au underlayer on outer-sphere electron transfer across a Au/graphene/electrolyte interface. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 22984-22991	3.6	1
34	Effect of water on the behaviour of lithium and superoxide ions in aprotic solvents. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 22375-22383	3.6	1
33	Experimental demonstration of plasma mass separation in a configuration with a potential well and crossed electric and magnetic fields. <i>Plasma Physics and Controlled Fusion</i> , 2021 , 63, 032002	2	2
32	Plasma mass separation in configuration with potential well. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 414005	3	1
31	Unveiling a facile approach for large-scale synthesis of N-doped graphene with tuned electrical properties. <i>2D Materials</i> , 2020 , 7, 045001	5.9	13
30	Influence of defects in graphene on electron transfer kinetics: The role of the surface electronic structure. <i>Electrochimica Acta</i> , 2020 , 341, 136011	6.7	19
29	Simulation of ion flux of actinides and uranium fission products in the plasma separator with a potential well. <i>Physics of Plasmas</i> , 2020 , 27, 113503	2.1	3
28	Fast Method for Calculating Spatially Resolved Heterogeneous Electron-Transfer Kinetics and Its Application to Graphene with Defects. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18147-18155	3.8	4
27	Aluminum-Alumina Composites: Part I: Obtaining and Characterization of Powders. <i>Materials</i> , 2019 , 12,	3.5	8
26	Tuning the rate of an outer-sphere electron transfer by changing the electronic structure of carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 847, 113186	4.1	7
25	Understanding the Nature of Heterogeneous Electron Transfer in Molecular and Ionic Solvents: Experiment, Theory, and Computations. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 14370-14381	3.8	8
24	Atomistic Simulation of Impurities Segregation to Free Surfaces of α -Al ₂ O ₃ . <i>High Energy Chemistry</i> , 2019 , 53, 177-182	0.9	
23	Effect of Cation Size on Solvation and Association with Superoxide Anion in Aprotic Solvents. <i>ChemPhysChem</i> , 2019 , 20, 1960-1966	3.2	6
22	Role of Graphene Edges in the Electron Transfer Kinetics: Insight from Theory and Molecular Modeling. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6627-6634	3.8	14
21	Calculating the Maximum Density of the Surface Packing of Ions in Ionic Liquids. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 999-1005	0.7	7
20	Investigation of the graphene-electrolyte interface in Li-air batteries: A molecular dynamics study. <i>Journal of Physics: Conference Series</i> , 2018 , 946, 012028	0.3	8
19	Effect of Solvents on the Behavior of Lithium and Superoxide Ions in Lithium-Oxygen Battery Electrolytes. <i>ChemPhysChem</i> , 2018 , 19, 75-81	3.2	12

18	Graphene electrochemistry: edge vs. basal plane sites. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012112	0.3	6
17	Effect of high donor number solvent and cathode morphology on interfacial processes in Li-air batteries. <i>Journal of Physics: Conference Series</i> , 2018 , 946, 012029	0.3	4
16	Advanced manufacturing process of ultrahigh-purity α -Al ₂ O ₃ . <i>Sustainable Materials and Technologies</i> , 2018 , 17, e00065	5.3	6
15	Effect of carbon cathode morphology on the electrode/electrolyte interface structure. <i>High Energy Chemistry</i> , 2017 , 51, 51-55	0.9	6
14	Molecular dynamics study of micellization thermodynamics in AOT/hexane system. <i>Colloid Journal</i> , 2017 , 79, 76-80	1.1	2
13	Diffusion of cation impurities by vacancy mechanism in α -Al ₂ O ₃ : Effect of cation size and valence. <i>Solid State Ionics</i> , 2016 , 293, 1-6	3.3	19
12	Effects of carbon surface topography on the electrode/electrolyte interface structure and relevance to Li-air batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 30830-30836	3.6	23
11	When do defectless alkanethiol SAMs in ionic liquids become penetrable? A molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 31947-55	3.6	11
10	A molecular dynamics study of the ionic and molecular permeability of alkanethiol monolayers on the gold electrode surface. <i>High Energy Chemistry</i> , 2015 , 49, 341-346	0.9	14
9	The effects of a solvent and a ligand shell on interaction of CdSe quantum dots: Molecular dynamics simulation. <i>Colloid Journal</i> , 2015 , 77, 727-732	1.1	7
8	Ferrocene/Ferrocenium Redox Couple at Au(111)/Ionic Liquid and Au(111)/Acetonitrile Interfaces: A Molecular-Level View at the Elementary Act. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6151-6164	3.8	47
7	Effect of Cations on the TiO ₂ /Acetonitrile Interface Structure: A Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 10589-10596	3.8	21
6	Molecular dynamics simulation of the electrical double layer in ionic liquids. <i>Journal of Physics: Conference Series</i> , 2013 , 418, 012021	0.3	12
5	Coulomb screening in the strongly coupled ionic liquid [BMIM][PF ₆]. <i>High Temperature</i> , 2011 , 49, 135-137.8		
4	Influence of temperature on the structure and dynamics of the [BMIM][PF(6)] ionic liquid/graphite interface. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11245-50	3.6	32
3	Dye-sensitized solar cells: Present state and prospects for future development. <i>Thermal Engineering (English Translation of Teploenergetika)</i> , 2010 , 57, 969-975	0.8	5
2	Molecular dynamics simulation of the electrochemical interface between a graphite surface and the ionic liquid [BMIM][PF ₆]. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 5584-90	3.6	220
1	New Aspects of Enhancing the Graphene Capacitance by Defects in Aqueous Electrolytes and Ionic Liquids. <i>JETP Letters</i> , 1	1.2	

