Sergey A Kislenko

List of Publications by Citations

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	Molecular dynamics simulation of the electrochemical interface between a graphite surface and the ionic liquid [BMIM][PF6]. *Physical Chemistry Chemical Physics*, **2009**, 11, 5584-90	3.6	220
34	Ferrocene/Ferrocenium Redox Couple at Au(111)/Ionic Liquid and Au(111)/Acetonitrile Interfaces: A Molecular-Level View at the Elementary Act. *Journal of Physical Chemistry C*, **2014**, 118, 6151-6164	3.8	47
33	Influence of temperature on the structure and dynamics of the [BMIM][PF(6)] ionic liquid/graphite interface. *Physical Chemistry Chemical Physics*, **2010**, 12, 11245-50	3.6	32
32	Effects of carbon surface topography on the electrode/electrolyte interface structure and relevance to Li-air batteries. *Physical Chemistry Chemical Physics*, **2016**, 18, 30830-30836	3.6	23
31	Effect of Cations on the TiO2/Acetonitrile Interface Structure: A Molecular Dynamics Study. *Journal of Physical Chemistry C*, **2013**, 117, 10589-10596	3.8	21
30	Influence of defects in graphene on electron transfer kinetics: The role of the surface electronic structure. *Electrochimica Acta*, **2020**, 341, 136011	6.7	19
29	Diffusion of cation impurities by vacancy mechanism in □Al2O3: Effect of cation size and valence. *Solid State Ionics*, **2016**, 293, 1-6	3.3	19
28	Role of Graphene Edges in the Electron Transfer Kinetics: Insight from Theory and Molecular Modeling. *Journal of Physical Chemistry C*, **2019**, 123, 6627-6634	3.8	14
27	A molecular dynamics study of the ionic and molecular permeability of alkanethiol monolayers on the gold electrode surface. *High Energy Chemistry*, **2015**, 49, 341-346	0.9	14
26	Unveiling a facile approach for large-scale synthesis of N-doped graphene with tuned electrical properties. *2D Materials*, **2020**, 7, 045001	5.9	13
25	Molecular dynamics simulation of the electrical double layer in ionic liquids. *Journal of Physics: Conference Series*, **2013**, 418, 012021	0.3	12
24	Effect of Solvents on the Behavior of Lithium and Superoxide Ions in Lithium-Oxygen Battery Electrolytes. *ChemPhysChem*, **2018**, 19, 75-81	3.2	12
23	When do defectless alkanethiol SAMs in ionic liquids become penetrable? A molecular dynamics study. *Physical Chemistry Chemical Physics*, **2015**, 17, 31947-55	3.6	11
22	Aluminum-Alumina Composites: Part I: Obtaining and Characterization of Powders. *Materials*, **2019**, 12,	3.5	8
21	Understanding the Nature of Heterogeneous Electron Transfer in Molecular and Ionic Solvents: Experiment, Theory, and Computations. *Journal of Physical Chemistry C*, **2019**, 123, 14370-14381	3.8	8
20	Investigation of the graphene□electrolyte interface in Li-air batteries: A molecular dynamics study. *Journal of Physics: Conference Series*, **2018**, 946, 012028	0.3	8
19	Tuning the rate of an outer-sphere electron transfer by changing the electronic structure of carbon nanotubes. *Journal of Electroanalytical Chemistry*, **2019**, 847, 113186	4.1	7

18	The effects of a solvent and a ligand shell on interaction of CdSe quantum dots: Molecular dynamics simulation. *Colloid Journal*, **2015**, 77, 727-732	1.1	7
17	Calculating the Maximum Density of the Surface Packing of Ions in Ionic Liquids. *Russian Journal of Physical Chemistry A*, **2018**, 92, 999-1005	0.7	7
16	Effect of carbon cathode morphology on the electrode/electrolyte interface structure. *High Energy Chemistry*, **2017**, 51, 51-55	0.9	6
15	Effect of Cation Size on Solvation and Association with Superoxide Anion in Aprotic Solvents. *ChemPhysChem*, **2019**, 20, 1960-1966	3.2	6
14	Graphene electrochemistry: edge vs. basal plane sites. *Journal of Physics: Conference Series*, **2018**, 1092, 012112	0.3	6
13	Advanced manufacturing process of ultrahigh-purity □Al2O3. *Sustainable Materials and Technologies*, **2018**, 17, e00065	5.3	6
12	Dye-sensitized solar cells: Present state and prospects for future development. *Thermal Engineering (English Translation of Teploenergetika)*, **2010**, 57, 969-975	0.8	5
11	Fast Method for Calculating Spatially Resolved Heterogeneous Electron-Transfer Kinetics and Its Application to Graphene with Defects. *Journal of Physical Chemistry C*, **2020**, 124, 18147-18155	3.8	4
10	Effect of high donor number solvent and cathode morphology on interfacial processes in Li-air batteries. *Journal of Physics: Conference Series*, **2018**, 946, 012029	0.3	4
9	Simulation of ion flux of actinides and uranium fission products in the plasma separator with a potential well. *Physics of Plasmas*, **2020**, 27, 113503	2.1	3
8	Molecular dynamics study of micellization thermodynamics in AOT/hexane system. *Colloid Journal*, **2017**, 79, 76-80	1.1	2
7	Experimental demonstration of plasma mass separation in a configuration with a potential well and crossed electric and magnetic fields. *Plasma Physics and Controlled Fusion*, **2021**, 63, 032002	2	2
6	Effect of a Au underlayer on outer-sphere electron transfer across a Au/graphene/electrolyte interface. *Physical Chemistry Chemical Physics*, **2021**, 23, 22984-22991	3.6	1
5	Effect of water on the behaviour of lithium and superoxide ions in aprotic solvents. *Physical Chemistry Chemical Physics*, **2021**, 23, 22375-22383	3.6	1
4	Plasma mass separation in configuration with potential well. *Journal Physics D: Applied Physics*, **2021**, 54, 414005	3	1
3	Atomistic Simulation of Impurities Segregation to Free Surfaces of □Al2O3. *High Energy Chemistry*, **2019**, 53, 177-182	0.9	
2	Coulomb screening in the strongly coupled ionic liquid [BMIM][PF6]. *High Temperature*, **2011**, 49, 135-137	0.8	
1	New Aspects of Enhancing the Graphene Capacitance by Defects in Aqueous Electrolytes and Ionic Liquids. *JETP Letters*,1	1.2	