

Elena V Timofeeva

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.

36 papers	2,390 citations	20 h-index	39 g-index
39 ext. papers	2,674 ext. citations	4.6 avg, IF	4.94 L-index

#	Paper	IF	Citations
36	In situ XAS study of the local structure of the nano-Li ₂ FeSiO ₄ /C cathode. <i>JPhys Energy</i> , 2021 , 3, 034015	4.9	1
35	Roles of Mn and Ni in Li-rich Mn-Ni-Fe oxide cathodes. <i>Materials Today Communications</i> , 2021 , 26, 101693	3.5	0
34	Nanoscale MnO ₂ cathodes for Li-ion batteries: effect of thermal and mechanical processing. <i>Journal of Power Sources</i> , 2020 , 448, 227374	8.9	7
33	Effect of Sub-nanoparticle Architecture on Cycling Performance of MnO ₂ Battery Cathodes through Thermal Tuning of Polymorph Composition. <i>Crystal Growth and Design</i> , 2019 , 19, 1584-1591	3.5	5
32	In Situ EXAFS-Derived Mechanism of Highly Reversible Tin Phosphide/Graphite Composite Anode for Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1702134	21.8	38
31	Structural Studies of Capacity Activation and Reduced Voltage Fading in Li-Rich, Mn-Ni-Fe Composite Oxide Cathode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A71-A78	3.9	14
30	Controlled synthesis of MnO ₂ nanoparticles for aqueous battery cathodes: polymorphism-capacity correlation. <i>Journal of Materials Science</i> , 2017 , 52, 8107-8118	4.3	16
29	Electroactive nanofluids with high solid loading and low viscosity for rechargeable redox flow batteries. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 593-605	2.6	16
28	Role of crystal lattice templating and galvanic coupling in enhanced reversible capacity of Ni(OH) ₂ /Co(OH) ₂ core/shell battery cathode. <i>Electrochimica Acta</i> , 2017 , 258, 684-693	6.7	8
27	Potential-Resolved In Situ X-ray Absorption Spectroscopy Study of Sn and SnO ₂ Nanomaterial Anodes for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 5331-5339	3.8	47
26	In Situ XAFS Study of the Capacity Fading Mechanisms in ZnO Anodes for Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1935-A1939	3.9	41
25	Use of encapsulated zinc particles in a eutectic chloride salt to enhance thermal energy storage capacity for concentrated solar power. <i>Renewable Energy</i> , 2015 , 80, 508-516	8.1	29
24	Surface Modification Approach to TiO ₂ Nanofluids with High Particle Concentration, Low Viscosity, and Electrochemical Activity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20538-47	9.5	58
23	Engineering nanofluid electrodes: controlling rheology and electrochemical activity of Fe ₂ O ₃ nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	10
22	In Situ X-ray Absorption Spectroscopy Study of the Capacity Fading Mechanism in Hybrid Sn ₃ O ₂ (OH) ₂ /Graphite Battery Anode Nanomaterials. <i>Chemistry of Materials</i> , 2015 , 27, 574-580	9.6	13
21	Use of metallic nanoparticles to improve the thermophysical properties of organic heat transfer fluids used in concentrated solar power. <i>Solar Energy</i> , 2014 , 105, 468-478	6.8	46
20	Nanofluids with encapsulated tin nanoparticles for advanced heat transfer and thermal energy storage. <i>International Journal of Energy Research</i> , 2014 , 38, 51-59	4.5	59

19	Investigations of heat transfer of copper-in-Therminol 59 nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 64, 1196-1204	4.9	29
18	In Situ Ru K-Edge X-ray Absorption Spectroscopy Study of Methanol Oxidation Mechanisms on Model Submonolayer Ru on Pt Nanoparticle Electrocatalyst. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18904-18912	3.8	21
17	Effective Thermal Conductivity Models for Carbon Nanotube-Based Nanofluids. <i>Journal of Nanofluids</i> , 2013 , 2, 69-73	2.2	3
16	Reaction Joining of Aluminum-Doped Lanthanum Strontium Manganese Oxide to Yttria-Stabilized Tetragonal Zirconia for Gas Sensor Applications. <i>International Journal of Applied Ceramic Technology</i> , 2012 , 9, 725-732	2	1
15	Comparative review of turbulent heat transfer of nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 5380-5396	4.9	88
14	Tribological Effects of BN and MoS ₂ Nanoparticles Added to Polyalphaolefin Oil in Piston Skirt/Cylinder Liner Tests. <i>Tribology Letters</i> , 2012 , 47, 91-102	2.8	67
13	Base fluid and temperature effects on the heat transfer characteristics of SiC in ethylene glycol/H ₂ O and H ₂ O nanofluids. <i>Journal of Applied Physics</i> , 2011 , 109, 014914	2.5	118
12	Improving the heat transfer efficiency of synthetic oil with silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 71-9	9.3	90
11	Pumping power of nanofluids in a flowing system. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 931-937	2.3	39
10	Nanofluids for heat transfer: an engineering approach. <i>Nanoscale Research Letters</i> , 2011 , 6, 182	5	121
9	Mechanisms and models of effective thermal conductivities of nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 4824-49	1.3	21
8	Particle size and interfacial effects on thermo-physical and heat transfer characteristics of water-based alpha-SiC nanofluids. <i>Nanotechnology</i> , 2010 , 21, 215703	3.4	186
7	Particle shape effects on thermophysical properties of alumina nanofluids. <i>Journal of Applied Physics</i> , 2009 , 106, 014304	2.5	527
6	Heat transfer to a silicon carbide/water nanofluid. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 3606-3612	4.9	134
5	Thermal conductivity and particle agglomeration in alumina nanofluids: experiment and theory. <i>Physical Review E</i> , 2007 , 76, 061203	2.4	495
4	Raman spectroscopic evidence of the bronze-like recharging behavior for conducting films deposited from isopolytungstates. <i>Electrochimica Acta</i> , 2005 , 50, 1693-1702	6.7	16
3	Mutual indirect probing of platinized platinum/tungstate nanostructural features. <i>Journal of Solid State Electrochemistry</i> , 2004 , 8, 778-785	2.6	15
2	Adlayers of Keggin Type Polytungstate Anions on Platinum: Negligible Electrochemical Signatures and Manifestations of Molecular UPD. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 17096-17105	3.4	11

- 1 Pumping Power of 50/50 Mixtures of Ethylene Glycol/Water Containing SiC Nanoparticles. *Ceramic Engineering and Science Proceedings*, 147-152 0.1