

Lei Zhang

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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.

123
papers

3,211
citations

27
h-index

54
g-index

133
ext. papers

3,850
ext. citations

5.8
avg, IF

6.28
L-index

#	Paper	IF	Citations
123	Anchoring groups for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 3427-55	9.5	522
122	Embedding sulfur in MOF-derived microporous carbon polyhedrons for lithium-sulfur batteries. <i>Chemistry - A European Journal</i> , 2013 , 19, 10804-8	4.8	327
121	Synthetic strategies, diverse structures and tuneable properties of polyoxo-titanium clusters. <i>Chemical Society Reviews</i> , 2018 , 47, 404-421	58.5	186
120	Dye aggregation in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 19541-19559	13	178
119	A 3.6 nm Ti52-Oxo Nanocluster with Precise Atomic Structure. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7480-3	16.4	150
118	Bandgap Engineering of Titanium-Oxo Clusters: Labile Surface Sites Used for Ligand Substitution and Metal Incorporation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5160-5	16.4	146
117	Fullerene-like Polyoxotitanium Cage with High Solution Stability. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2556-9	16.4	134
116	Variation in optoelectronic properties of azo dye-sensitized TiO ₂ semiconductor interfaces with different adsorption anchors: carboxylate, sulfonate, hydroxyl and pyridyl groups. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 7535-46	9.5	82
115	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6763-6766	16.4	75
114	The effect of moisture on the structures and properties of lead halide perovskites: a first-principles theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 23174-83	3.6	71
113	Relating Electron Donor and Carboxylic Acid Anchoring Substitution Effects in Azo Dyes to Dye-Sensitized Solar Cell Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2013 , 1, 1440-1452	8.3	71
112	Interactions between molecules and perovskites in halide perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 175, 1-19	6.4	54
111	Theoretical Prediction of Blue Phosphorene/Borophene Heterostructure as a Promising Anode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 18294-18303	3.8	43
110	Adsorption properties of p-methyl red monomeric-to-pentameric dye aggregates on anatase (101) titania surfaces: first-principles calculations of dye/TiO ₂ photoanode interfaces for dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 15760-6	9.5	40
109	TiO ₂ -assisted photoisomerization of azo dyes using self-assembled monolayers: case study on para-methyl red towards solar-cell applications. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 3742-9	9.5	39
108	A new heterogeneous photocatalyst based on Wells-Dawson polyoxometalate and nickel coordination compounds: synthesis, structure and property. <i>RSC Advances</i> , 2015 , 5, 23556-23562	3.7	38
107	Azole Functionalized Polyoxo-Titanium Clusters with Sunlight-Driven Dye Degradation Applications: Synthesis, Structure, and Photocatalytic Studies. <i>Inorganic Chemistry</i> , 2016 , 55, 10294-10301	5.1	35

106	Adsorption of molecular additive onto lead halide perovskite surfaces: A computational study on Lewis base thiophene additive passivation. <i>Applied Surface Science</i> , 2018 , 443, 176-183	6.7	34
105	General synthesis of $x\text{Li}_2\text{MnO}_3[(1-x)\text{LiNi}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3}\text{O}_2]$ ($x = 1/4, 1/3, \text{ and } 1/2$) hollow microspheres towards enhancing the performance of rechargeable lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 12442-12450	13	34
104	Polyoxometalate-Based Metal-Organic Framework on Carbon Cloth with a Hot-Pressing Method for High-Performance Lithium-Ion Batteries. <i>Inorganic Chemistry</i> , 2018 , 57, 11726-11731	5.1	34
103	How Does Substitutional Doping Affect Visible Light Absorption in a Series of Homodisperse Ti11 Polyoxotitanate Nanoparticles?. <i>Chemistry - A European Journal</i> , 2015 , 21, 11538-44	4.8	34
102	Assembly of titanium-oxo cations with copper-halide anions to form supersalt-type cluster-based materials. <i>Chemical Communications</i> , 2017 , 53, 3949-3951	5.8	32
101	Tuning Solvatochromism of Azo Dyes with Intramolecular Hydrogen Bonding in Solution and on Titanium Dioxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 26316-26323	3.8	29
100	Bandgap Engineering of Titanium Oxide Clusters: Labile Surface Sites Used for Ligand Substitution and Metal Incorporation. <i>Angewandte Chemie</i> , 2016 , 128, 5246-5251	3.6	29
99	Multilayer Dye Aggregation at Dye/TiO ₂ Interface via π -Stacking and Hydrogen Bond and Its Impact on Solar Cell Performance: A DFT Analysis. <i>Scientific Reports</i> , 2016 , 6, 35893	4.9	28
98	Recent advances in heterometallic polyoxotitanium clusters. <i>Coordination Chemistry Reviews</i> , 2020 , 404, 213099	23.2	27
97	Machine learning for halide perovskite materials. <i>Nano Energy</i> , 2020 , 78, 105380	17.1	27
96	Growth of mixed-halide perovskite single crystals. <i>CrystEngComm</i> , 2018 , 20, 1635-1643	3.3	26
95	Halide Perovskite Materials for Energy Storage Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2003653	15.6	26
94	First-Principles Study of Molecular Adsorption on Lead Iodide Perovskite Surface: A Case Study of Halogen Bond Passivation for Solar Cell Application. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23536-23541	3.8	26
93	Dye Aggregation and Complex Formation Effects in 7-(Diethylamino)-coumarin-3-carboxylic Acid. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 13042-13051	3.8	25
92	Double-edged sword effects of cation rotation and additive passivation on perovskite solar cell performance: an ab initio investigation. <i>Solar Energy Materials and Solar Cells</i> , 2018 , 186, 349-355	6.4	24
91	Polyoxometalates: Tailoring metal oxides in molecular dimension toward energy applications. <i>International Journal of Energy Research</i> , 2020 , 44, 3316-3346	4.5	24
90	Synthesis and high ammonia gas sensitivity of $(\text{CH}_3\text{NH}_3)\text{PbBr}_{3-x}\text{I}_x$ perovskite thin film at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2020 , 309, 127786	8.5	23
89	Can nitro groups really anchor onto TiO ₂ ? Case study of dye-to-TiO ₂ adsorption using azo dyes with NO ₂ substituents. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19062-9	3.6	23

88	Theoretical design of blue phosphorene/arsenene lateral heterostructures with superior electronic properties. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 255304	3	23
87	Effect of Ni content in $\text{Ni}_x\text{Mn}_{1-x}\text{CO}_3$ ($x = 0, 0.20, 0.25, 0.33$) submicrospheres on the performances of rechargeable lithium ion batteries. <i>Electrochimica Acta</i> , 2018 , 276, 333-342	6.7	22
86	ZnO Nanosheets Modified with Graphene Quantum Dots and SnO ₂ Quantum Nanoparticles for Room-Temperature H ₂ S Sensing. <i>ACS Applied Nano Materials</i> , 2020 , 3, 5220-5230	5.6	20
85	Facilely fabricating FeSe nanoparticles embedded in N-doped carbon towards promoting sodium storage behaviors. <i>Journal of Power Sources</i> , 2020 , 449, 227517	8.9	20
84	Data mining new energy materials from structure databases. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 107, 554-567	16.2	19
83	Synthesis and photocatalytic H ₂ evolution properties of four titanium-oxo-clusters based on a cyclohex-3-ene-1-carboxylate ligand. <i>Dalton Transactions</i> , 2017 , 46, 10630-10634	4.3	18
82	Recent Progress and Challenges of Micro-/Nanostructured Transition Metal Carbonate Anodes for Lithium Ion Batteries. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 4508-4521	2.3	18
81	Discovery of S \cdots C \cdots N Intramolecular Bonding in a Thiophenylcyanoacrylate-Based Dye: Realizing Charge Transfer Pathways and Dye \cdots TiO ₂ Anchoring Characteristics for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25952-25961	9.5	16
80	Understanding interactions between halide perovskite surfaces and atmospheric/VOC gas molecules: an ab initio investigation. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 315302	3	16
79	A cobalt-based polyoxometalate catalyst for efficient visible-light-driven H ₂ evolution from water splitting. <i>Catalysis Communications</i> , 2015 , 64, 44-47	3.2	15
78	Molecular Engineering of the Lead Iodide Perovskite Surface: Case Study on Molecules with Pyridyl Groups. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24612-24617	3.8	14
77	Engineering Zn _{0.33} Co _{0.67} S Hollow Microspheres with Enhanced Electrochemical Performance for Lithium and Sodium Ion Batteries. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 3036-3040	2.3	13
76	Doping bismuth oxyhalides with Indium: A DFT calculations on tuning electronic and optical properties. <i>Chemical Physics Letters</i> , 2018 , 705, 31-37	2.5	13
75	Controlled synthesis of zero-dimensional phase-pure Cs ₄ PbBr ₆ perovskites crystals with high photoluminescence quantum yield. <i>Journal of Alloys and Compounds</i> , 2019 , 797, 1151-1156	5.7	12
74	Theoretical investigations on crystal crosslinking in perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 234-241	7.1	12
73	Construction of S@TiO ₂ @r-GO Composites for High-Performance Lithium-Sulfur Batteries. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 3248-3252	2.3	11
72	Rationalizing the control of interfacial charge transfer directions in halide perovskite materials via additives: A first principles investigation. <i>Applied Surface Science</i> , 2019 , 481, 1178-1184	6.7	10
71	Dendritic PAMAM polymers for strong perovskite intergranular interaction enhancing power conversion efficiency and stability of perovskite solar cells. <i>Electrochimica Acta</i> , 2020 , 349, 136387	6.7	10

70	Li-decorated porous hydrogen substituted graphyne: A new member of promising hydrogen storage medium. <i>Applied Surface Science</i> , 2021 , 535, 147683	6.7	10
69	Investigation of germanium selenide electrodes for the integrated photo-rechargeable battery. <i>International Journal of Energy Research</i> , 2020 , 44, 6015-6022	4.5	9
68	Growth and Properties of CH ₃ NH ₃ PbI ₃ Single Crystal. <i>Crystal Research and Technology</i> , 2017 , 52, 17001713	4.1	9
67	Theoretical investigation on interactions between lithium ions and two-dimensional halide perovskite for solar-rechargeable batteries. <i>Applied Surface Science</i> , 2021 , 541, 148509	6.7	9
66	Understanding Molecular Adsorption on CuSCN Surfaces toward Perovskite Solar Cell Applications. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26785-26793	3.8	8
65	Dimensional tailoring of halide perovskite: A case study on Cs ₄ PbBr ₆ /CsPbBr ₃ hybrid with molecular halide perovskite. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 204, 110237	6.4	8
64	Surfacing amorphous Ni-B nanoflakes on NiCoO nanospheres as multifunctional bridges for promoting lithium storage behaviors. <i>Nanoscale</i> , 2019 , 11, 22550-22558	7.7	8
63	Hierarchical Porous Carbon Derived from Peanut Hull for Polysulfide Confinement in Lithium Sulfur Batteries. <i>Energy Technology</i> , 2019 , 7, 1800898	3.5	8
62	Understanding Interactions between Lead Iodide Perovskite Surfaces and Lithium Polysulfide toward New-Generation Integrated Solar-Powered Lithium Battery: An ab Initio Investigation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 82-90	3.8	8
61	Synergistic interactions between N3 dye and perovskite CH ₃ NH ₃ PbI ₃ for aqueous-based photoresponsiveness under visible light. <i>Dyes and Pigments</i> , 2020 , 173, 107925	4.6	8
60	Machine learning and symbolic regression investigation on stability of MXene materials. <i>Computational Materials Science</i> , 2021 , 196, 110578	3.2	8
59	Molecular engineering lithium sulfur battery cathode based on small organic molecules: An ab-initio investigation. <i>Applied Surface Science</i> , 2019 , 484, 1184-1190	6.7	7
58	Dye-sensitized halide perovskite: A case study on calcein dye. <i>Dyes and Pigments</i> , 2020 , 181, 108608	4.6	7
57	On the growth of CH ₃ NH ₃ PbI _{3-x} Cl _x single crystal and characterization. <i>Physica B: Condensed Matter</i> , 2018 , 537, 7-11	2.8	7
56	Atomistic understanding on molecular halide perovskite/organic/TiO ₂ interface with bifunctional interfacial modifier: A case study on halogen bond and carboxylic acid group. <i>Applied Surface Science</i> , 2020 , 502, 144274	6.7	7
55	Li-decorated carbon ene-yne as a potential high-capacity hydrogen storage medium. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 24011-24018	3.6	6
54	Understanding adsorption of nucleobases on CH ₃ NH ₃ PbI ₃ surfaces toward biological applications of halide perovskite materials. <i>Applied Surface Science</i> , 2019 , 483, 1052-1057	6.7	5
53	Can we deconvolute electron density changes from the dominant influence of the atomic rearrangement on molecular excitation in time-resolved diffraction studies?. <i>Physica Scripta</i> , 2016 , 91, 023003	2.6	5

52	Dye-sensitization enhances photoelectrochemical performance of halide perovskite CH ₃ NH ₃ PbI ₃ photoanode in aqueous solution. <i>Dyes and Pigments</i> , 2020 , 173, 108006	4.6	5
51	Spectroscopic and first principles investigation on 4-[(4-pyridinylmethylene)amino]-benzoic acid bearing pyridyl and carboxyl anchoring groups. <i>Journal of Molecular Structure</i> , 2018 , 1155, 389-393	3.4	5
50	Interlayer Determined Photoluminescence Excitation Properties of Cs-Rich and Pb-Rich Cs ₄ PbBr ₆ Samples. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 16103-16109	3.8	5
49	Aggregation of molecular halide perovskite Cs ₄ PbX ₆ : A first-principles investigation. <i>Chemical Physics Letters</i> , 2019 , 732, 136653	2.5	4
48	Photoelectrochemical and first-principles investigation on halide perovskite/TiO ₂ film improved by dicyano dye. <i>Optical Materials</i> , 2020 , 109, 110350	3.3	4
47	Effect of novel anchoring groups on the electronic and optical properties of water-splitting metal-free dye molecules: A first-principles investigation. <i>Chemical Physics</i> , 2019 , 522, 84-90	2.3	4
46	Controlling directions of electron flow by light: A case study on TiO ₂ film with azo dyes. <i>Dyes and Pigments</i> , 2019 , 161, 277-282	4.6	4
45	CsPbI-Sensitized SnO/Multiple-Walled Carbon Nanotube Self-Assembled Nanomaterials with Highly Selective and Sensitive NH Sensing Performance at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 14447-14457	9.5	4
44	Understanding substitution effects on dye structures and optoelectronic properties of molecular halide perovskite CsMX (M=Pb, Sn, Ge; X= Br, I, Cl). <i>Journal of Molecular Graphics and Modelling</i> , 2019 , 91, 172-179	2.8	3
43	Understanding structures and properties of phosphorene/perovskite heterojunction toward perovskite solar cell applications. <i>Journal of Molecular Graphics and Modelling</i> , 2019 , 89, 96-101	2.8	3
42	Halide perovskite nanotube toward energy applications: A first-principles investigation. <i>International Journal of Energy Research</i> , 2020 , 44, 5412-5424	4.5	3
41	Aggregation-enhanced adsorption and optoelectronic performance of metal-free organic dye on anatase (1 0 1) toward water-splitting purpose: A first-principles investigation. <i>Applied Surface Science</i> , 2020 , 502, 144139	6.7	3
40	Pyridyl anchor-assisted photoresponsiveness of 4-(4-diethylaminophenylazo)pyridine on TiO ₂ surface. <i>Journal of Molecular Structure</i> , 2020 , 1205, 127596	3.4	3
39	Tuning electronic properties in the C3N/C3B lateral heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021 , 126, 114497	3	3
38	Effect of Yb concentration on upconversion luminescence and optical thermometry sensitivity of LaMoO: Yb, Er phosphors. <i>Applied Optics</i> , 2021 , 60, 1508-1514	1.7	3
37	Cosensitization-based halide perovskite in aqueous solution: A photoelectrochemical and first-principles investigation. <i>Materials Research Bulletin</i> , 2021 , 141, 111358	5.1	3
36	Dual-functional iodine photoelectrode enabling high performance photo-assisted rechargeable lithium iodine batteries. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 7326-7332	13	3
35	Terahertz investigations on photoisomerisable compounds. <i>Molecular Physics</i> , 2017 , 115, 2486-2494	1.7	2

34	First Principles Study on Structurally Resolved Titanium Dioxide Nanoparticles Functionalized by Organic Ligands. <i>Journal of Structural Chemistry</i> , 2019 , 60, 671-677	0.9	2
33	Molecular engineer halide perovskite/lead chalcogenide heterostructure toward optoelectronic applications: A case study on CsPbBr ₃ /PbS interface. <i>Applied Surface Science</i> , 2020 , 534, 147599	6.7	2
32	First Principles Study on the Interfacial Structure and Electronic Properties of a Metal-Free Organic Dye/TiO ₂ Photoanode for Water Oxidation. <i>Russian Journal of Physical Chemistry A</i> , 2018 , 92, 1631-1635 ^{0.7}	0.7	2
31	Photoelectrochemical and first-principles investigation on perylene dye-based perovskite/TiO ₂ photoelectrode. <i>Applied Surface Science</i> , 2021 , 543, 148792	6.7	2
30	Prediction of solar-chargeable battery materials: A text-mining and first-principles investigation. <i>International Journal of Energy Research</i> , 2021 , 45, 15521-15533	4.5	2
29	Experimental and first principles investigations on the photoisomerization and electrochemical properties of chlorophosphonazo III. <i>Journal of Molecular Structure</i> , 2019 , 1180, 151-157	3.4	2
28	Optoelectronic and photo-charging properties of CH ₃ NH ₃ PbI ₃ /LiFePO ₄ system. <i>International Journal of Energy Research</i> , 2021 , 45, 6426-6435	4.5	2
27	General Approach to Prepare 0.33LiMnO ₂ /0.67LiNiCoMnO ₂ Hollow Microspheres for High Performance Lithium Ion Batteries. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 4127-4134	1.3	2
26	Machine learning and first-principles insights on molecularly modified CH ₃ NH ₃ PbI ₃ film in water. <i>Applied Surface Science</i> , 2022 , 593, 153428	6.7	2
25	Binding Mode of Malonic Acid on the IrO ₂ Surface. <i>Journal of Structural Chemistry</i> , 2019 , 60, 7-12	0.9	1
24	Engineering Na-Mo-O/Graphene Oxide Composites with Enhanced Electrochemical Performance for Lithium Ion Batteries. <i>ChemistryOpen</i> , 2019 , 8, 1225-1229	2.3	1
23	Structures and Properties of Higher-Degree Aggregates of Methylammonium Iodide toward Halide Perovskite Solar Cells. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2250-2255	0.7	1
22	Photo-electrochemical Lithium Insertion Characteristics of Carbon Nanotubes Modified with SrTiO ₃ Photocatalyst. <i>Chinese Journal of Chemical Physics</i> , 2006 , 19, 428-432	0.9	1
21	Interactions between gas molecules and two-dimensional Ruddlesden-Popper halide perovskite. <i>Journal of Applied Physics</i> , 2022 , 131, 025307	2.5	1
20	Unsupervised machine learning for solar cell materials from the literature. <i>Journal of Applied Physics</i> , 2022 , 131, 064902	2.5	1
19	Photoelectrochemical Properties, Machine Learning, and Symbolic Regression for Molecularly Engineered Halide Perovskite Materials in Water. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	1
18	Adsorption and diffusion of lithium ions on lead-free two-dimensional halide perovskite surface toward energy storage applications. <i>International Journal of Energy Research</i> , 2021 , 45, 16524-16537	4.5	1
17	Understanding photoresponsive catechol-based polyoxotitanate molecules: A combined experimental and first principles investigation. <i>Chemical Physics Letters</i> , 2019 , 715, 217-221	2.5	1

16	First principles investigation on long alkyl chain-based surface anchoring for self-assembled bilayer. <i>Applied Surface Science</i> , 2020 , 506, 144692	6.7	o
15	Structural Chemistry of Metal-Oxo Clusters 2021 , 81-111		o
14	Machine learning and symbolic regression for adsorption of atmospheric molecules on low-dimensional TiO ₂ . <i>Applied Surface Science</i> , 2022 , 597, 153728	6.7	o
13	DYE-CATALYST INTERACTIONS IN A WATER-SPLITTING SYSTEM: A FIRST-PRINCIPLES INVESTIGATION OF INTERFACIAL STRUCTURES BASED ON COUMARIN343/[FeFe](mcbdt)(CO) ₆ /NiO. <i>Journal of Structural Chemistry</i> , 2020 , 61, 1038-1044	0.9	
12	Ab-Initio Investigation on Dye Conformer Structures and the Interplay between Conformation and Multilayer Aggregation on TiO ₂ toward Solar Cell Application. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 2282-2290	0.7	
11	Bond length alternation- and data mining-assisted exploration of molecular adsorbates with π -conjugation and amines for two-dimensional halide perovskite surface. <i>Structural Chemistry</i> , 1	1.8	
10	Stable and efficient QLEDs with crystallographic TiO ₂ as the electron transportation layer and improved carrier transportation by chlorination. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 9795-9803	2.1	
9	Adsorption and Diffusion of Halogen Gas Molecules on CH ₃ NH ₃ PbI ₃ Halide Perovskite Surfaces. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 792-798	0.7	
8	Structural Chemistry of Metal-Oxo Clusters 2021 , 111-161		
7	Structures and Properties of Methylammonium Iodide Precursors of Halide Perovskites and Implications for Solar Cells: an Ab-Initio Investigation. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2694-2698	0.7	
6	Intermolecular Interactions of Hybrid Organic Dyes Based on Coumarin 343 for Optoelectronic Applications. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 2542-2549	0.7	
5	Theoretical investigation on lithium battery material with improved light-harvesting performance. <i>Optik</i> , 2021 , 241, 167265	2.5	
4	Metal Halide-Based Adsorption and Substitution at Halide Perovskite Surfaces: Study of CuBr ₂ /CH ₃ NH ₃ PbI ₃ . <i>Russian Journal of Physical Chemistry A</i> , 2022 , 96, 190-197	0.7	
3	Monomeric-to-pentameric aggregation of molecular Cs ₄ PbBr ₆ halide perovskite: a first-principles investigation. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2022 , 30, 045002	2	
2	Modifying Optoelectronic Properties of Molecular Halide Perovskite Cs ₄ PbBr ₆ via Organic Ligands: A First-Principles Investigation. <i>Russian Journal of Physical Chemistry A</i> , 2021 , 95, 2586-2591	0.7	
1	Dye-modified halide perovskite materials. <i>Organic Electronics</i> , 2022 , 106545	3.5	