

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10977114/publications.pdf>

Version: 2024-02-01

63
papers

6,679
citations

186209

28
h-index

118793

62
g-index

65
all docs

65
docs citations

65
times ranked

5758
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient blue organic light-emitting diodes employing thermally activated delayed fluorescence. <i>Nature Photonics</i> , 2014, 8, 326-332.	15.6	2,064
2	Design of Efficient Thermally Activated Delayed Fluorescence Materials for Pure Blue Organic Light Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2012, 134, 14706-14709.	6.6	1,370
3	Anthraquinone-Based Intramolecular Charge-Transfer Compounds: Computational Molecular Design, Thermally Activated Delayed Fluorescence, and Highly Efficient Red Electroluminescence. <i>Journal of the American Chemical Society</i> , 2014, 136, 18070-18081.	6.6	822
4	Computational Prediction for Singlet- and Triplet-Transition Energies of Charge-Transfer Compounds. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 3872-3877.	2.3	312
5	Triplet Exciton Confinement in Green Organic Light-Emitting Diodes Containing Luminescent Charge-Transfer Cu(I) Complexes. <i>Advanced Functional Materials</i> , 2012, 22, 2327-2336.	7.8	279
6	High-efficiency deep-blue organic light-emitting diodes based on a thermally activated delayed fluorescence emitter. <i>Journal of Materials Chemistry C</i> , 2014, 2, 421-424.	2.7	259
7	Hierarchical spheres constructed by ultrathin VS ₂ nanosheets for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3691-3696.	5.2	94
8	Molecule-substrate interaction channels of metal-phthalocyanines on graphene on Ni(111) surface. <i>Journal of Chemical Physics</i> , 2011, 134, 094705.	1.2	74
9	MnSb ₂ S ₄ Monolayer as an Anode Material for Metal-Ion Batteries. <i>Chemistry of Materials</i> , 2018, 30, 3208-3214.	3.2	74
10	1T-MoS ₂ monolayer as a promising anode material for (Li/Na/Mg)-ion batteries. <i>Applied Surface Science</i> , 2022, 584, 152537.	3.1	66
11	Hierarchical Composite of Rose-Like VS ₂ @S/N-Doped Carbon with Expanded (001) Planes for Superior Li-Ion Storage. <i>Small</i> , 2019, 15, e1903904.	5.2	64
12	Safe, Low-Cost, Fast-Kinetics and Low-Strain Inorganic-Open-Framework Anode for Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16474-16479.	7.2	56
13	Y-doped Li ₈ ZrO ₆ : A Li-Ion Battery Cathode Material with High Capacity. <i>Journal of the American Chemical Society</i> , 2015, 137, 10992-11003.	6.6	54
14	Rational Design of Hierarchical SnS ₂ Microspheres with S Vacancy for Enhanced Sodium Storage Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9519-9525.	3.2	52
15	Density Functional Theory Study of Single-Atom V, Nb, and Ta Catalysts on Graphene and Carbon Nitride for Selective Nitrogen Reduction. <i>ACS Applied Nano Materials</i> , 2020, 3, 5149-5159.	2.4	51
16	Whether Corrugated or Planar Vacancy Graphene-like Carbon Nitride (g-C ₃ N ₄) Is More Effective for Nitrogen Reduction Reaction?. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17296-17305.	1.5	46
17	Sulfur-Doped Anatase TiO ₂ as an Anode for High-Performance Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 3791-3797.	2.5	46
18	Theoretical studies of SiC van der Waals heterostructures as anodes of Li-ion batteries. <i>Applied Surface Science</i> , 2021, 563, 150269.	3.1	43

#	ARTICLE	IF	CITATIONS
19	Starburst Triarylamine Donor-Based Metal-Free Photosensitizers for Photocatalytic Hydrogen Production from Water. <i>Organic Letters</i> , 2017, 19, 1048-1051.	2.4	42
20	Mechanism of electrochemical lithiation of a metal-organic framework without redox-active nodes. <i>Journal of Chemical Physics</i> , 2016, 144, 194702.	1.2	41
21	Cercosporin-bioinspired selective photooxidation reactions under mild conditions. <i>Green Chemistry</i> , 2019, 21, 6073-6081.	4.6	41
22	Perylenequinonoid-Catalyzed [4 + 1] and [4 + 2] Annulations of Azoalkenes: Photocatalytic Access to 1,2,3-Thiadiazole/1,4,5,6-Tetrahydropyridazine Derivatives. <i>Journal of Organic Chemistry</i> , 2019, 84, 7711-7721.	1.7	40
23	Perylenequinonoid-catalyzed photoredox activation for the direct arylation of (het)arenes with sunlight. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4364-4369.	1.5	40
24	Metal-organic framework-derived hollow structure CoS ₂ /nitrogen-doped carbon spheres for high-performance lithium/sodium ion batteries. <i>Chemical Communications</i> , 2020, 56, 3951-3954.	2.2	35
25	Reversible conversion reaction of GeO ₂ boosts lithium-ion storage <i>via</i> Fe doping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4574-4580.	5.2	34
26	Phthalocyanine and Metal Phthalocyanines Adsorbed on Graphene: A Density Functional Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 16614-16620.	1.5	33
27	Computational prediction for oxidation and reduction potentials of organic molecules used in organic light-emitting diodes. <i>Organic Electronics</i> , 2019, 64, 216-222.	1.4	31
28	Transition-Metal-Doped M-Li ₈ ZrO ₆ (M = Mn, Fe, Co, Ni, Cu, Ce) as High-Specific-Capacity Li-Ion Battery Cathode Materials: Synthesis, Electrochemistry, and Quantum Mechanical Characterization. <i>Chemistry of Materials</i> , 2016, 28, 746-755.	3.2	30
29	Synthesis, structure, and photophysics of copper(κ^3) triphenylphosphine complexes with functionalized 3-(2-pyrimidinyl)-1,2,4-triazole ligands. <i>Dalton Transactions</i> , 2017, 46, 13077-13087.	1.6	30
30	Panchromatic Sensitization with Zn II Porphyrin-Based Photosensitizers for Light-Driven Hydrogen Production. <i>ChemSusChem</i> , 2018, 11, 2517-2528.	3.6	30
31	Nanocomposite of Mo ₂ N Quantum Dots@MoO ₃ @Nitrogen-Doped Carbon as a High-Performance Anode for Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10198-10206.	3.2	30
32	Excited State Dynamics of Ru ₁₀ Cluster Interfacing Anatase TiO ₂ (101) Surface and Liquid Water. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2823-2829.	2.1	28
33	Blue-AsP monolayer as a promising anode material for lithium- and sodium-ion batteries: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5143-5151.	1.3	28
34	Charge Transfer, Luminescence, and Phonon Bottleneck in TiO ₂ Nanowires Computed by Eigenvectors of Liouville Superoperator. <i>Journal of Chemical Theory and Computation</i> , 2014, 10, 3996-4005.	2.3	26
35	A New Candidate in Polyanionic Compounds for a Potassium-Ion Battery Cathode: KTiOPO ₄ . <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2721-2726.	2.1	23
36	Easily fabricated HARCP/HAp photocatalyst for efficient and fast removal of tetracycline under natural sunlight. <i>Chemical Engineering Journal</i> , 2021, 412, 128620.	6.6	23

#	ARTICLE	IF	CITATIONS
37	UiO-66 Metal-Organic Framework as an Anode for a Potassium-Ion Battery: Quantum Mechanical Analysis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9679-9687.	1.5	21
38	Cercosporin-bioinspired photoreductive activation of aryl halides under mild conditions. <i>Journal of Catalysis</i> , 2019, 380, 1-8.	3.1	19
39	Large-scale preparation of heterometallic chalcogenide MnSb_2S_4 monolayer nanosheets with a high visible-light photocatalytic activity for H_2 evolution. <i>Chemical Communications</i> , 2016, 52, 13381-13384.	2.2	18
40	Localizing Holes as Polarons and Predicting Band Gaps, Defect Levels, and Delithiation Energies of Solid-State Materials with a Local Exchange-Correlation Functional. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23955-23963.	1.5	18
41	Electronic structure and hot carrier relaxation in anatase TiO_2 nanowire. <i>Molecular Physics</i> , 2014, 112, 539-545.	0.8	17
42	Indium selenide monolayer: a two-dimensional material with strong second harmonic generation. <i>CrystEngComm</i> , 2018, 20, 2573-2582.	1.3	16
43	Development of Strong Visible-Light-Absorbing Cyclometalated Iridium(III) Complexes for Robust and Efficient Light-Driven Hydrogen Production. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	16
44	Exploring the potentials of Ti_3N_2 and $\text{Ti}_3\text{N}_2\text{X}_2$ ($\text{X} = \text{O}, \text{F}, \text{OH}$) monolayers as anodes for Li or non-Li ion batteries from first-principles calculations. <i>RSC Advances</i> , 2019, 9, 40340-40347.	1.7	15
45	Conduction and Surface Effects in Cathode Materials: Li_8ZrO_6 and Doped Li_8ZrO_6 . <i>Journal of Physical Chemistry C</i> , 2016, 120, 9637-9649.	1.5	14
46	Lithiation Abilities of SiC Bulks and Surfaces: A First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 7031-7038.	1.5	13
47	Thiourea-based polyimide/RGO composite cathode: A comprehensive study of storage mechanism with alkali metal ions. <i>Science China Materials</i> , 2020, 63, 1929-1938.	3.5	13
48	Toward an Accurate Description of Thermally Activated Delayed Fluorescence: Equal Importance of Electronic and Geometric Factors. <i>Journal of Physical Chemistry C</i> , 2019, 123, 13869-13876.	1.5	11
49	In Situ Confined Co_5Ge_3 Alloy Nanoparticles in Nitrogen-Doped Carbon Nanotubes for Boosting Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 46247-46253.	4.0	11
50	Anionic Oxygen Redox in the High-Lithium Material Li_8SnO_6 . <i>Chemistry of Materials</i> , 2021, 33, 834-844.	3.2	10
51	Theoretical study on Y-doped Na_2ZrO_3 as a high-capacity Na-rich cathode material based on anionic redox. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 16183-16192.	1.3	7
52	Molecular Engineering of Robust Starburst-Based Organic Photosensitizers for Highly Efficient Photocatalytic Hydrogen Generation from Water. <i>Chemistry of Materials</i> , 2022, 34, 5522-5534.	3.2	7
53	Energy-Transfer-Mediated Photocatalysis by a Bioinspired Organic Perylenephotosensitizer HiBRCP. <i>Journal of Organic Chemistry</i> , 2021, 86, 15284-15297.	1.7	6
54	DFT investigations of KTIPO_4M ($\text{M} = \text{K}, \text{Na}, \text{and Li}$) anodes for alkali-ion battery. <i>Journal of Chemical Physics</i> , 2022, 156, .	1.2	6

#	ARTICLE	IF	CITATIONS
55	Dynamics of charge at water-to-semiconductor interface: Case study of wet [0 0 1] anatase TiO ₂ nanowire. <i>Chemical Physics</i> , 2016, 481, 184-190.	0.9	5
56	Discovery and characterization of a novel perylenephoto-reductant for the activation of aryl halides. <i>Journal of Catalysis</i> , 2021, 399, 111-120.	3.1	5
57	Self-Optimizing Effect in Lithium Storage of GeO ₂ Induced by Heterointerface Regulation. <i>Small</i> , 2022, 18, e2106067.	5.2	5
58	Potassium Storage Performance of UiO-66 Derivatives from First Principles Calculations. <i>Journal of Physical Chemistry C</i> , 2022, 126, 4286-4295.	1.5	5
59	Effective Electrochemical Charge Storage in the High-Lithium Compound Li ₈ ZrO ₆ . <i>ACS Applied Energy Materials</i> , 2019, 2, 1274-1287.	2.5	4
60	Anatase TiO ₂ Nanowires, Thin Films, and Surfaces: Ab initio Studies of Electronic Properties and Non-adiabatic Excited State Dynamics. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1659, 129-134.	0.1	3
61	Li ₈ MnO ₆ : A Novel Cathode Material with Only Anionic Redox. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 29832-29843.	4.0	2
62	Theoretical Design of Layered AlGaS ₃ as a New Nonlinear Optical Material with a Strong Second Harmonic Generation Response. <i>Crystal Growth and Design</i> , 2019, 19, 1632-1639.	1.4	1
63	Electronic Structure and Excited State Dynamics of TiO ₂ Nanowires. <i>ACS Symposium Series</i> , 2019, , 23-46.	0.5	0