

Zhenhua Li

List of Publications by Year in descending order

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30
papers

1,416
citations

516710

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times ranked

1356
citing authors

#	ARTICLE	IF	CITATIONS
1	Photothermal-Assisted Photocatalytic Nitrogen Oxidation to Nitric Acid on Palladium-Decorated Titanium Oxide. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
2	Triphase Photocatalytic CO ₂ Reduction over Silver-Decorated Titanium Oxide at a Gas-Water Boundary. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	33
3	Layered Double Hydroxide Engineering for the Photocatalytic Conversion of Inactive Carbon and Nitrogen Molecules. <i>ACS ES&T Engineering</i> , 2022, 2, 1088-1102.	7.6	12
4	Study the mixed valence problem in asymmetric Anderson model: Fano-Kondo resonance around Fermi level. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 255601.	1.8	1
5	Electronically Activated Fe ₅ C ₂ via N-Doped Carbon to Enhance Photothermal Syngas Conversion to Light Olefins. <i>ACS Catalysis</i> , 2022, 12, 5316-5326.	11.2	19
6	Orbital projection technique to explore the materials genomes of optical susceptibilities. <i>AIP Advances</i> , 2022, 12, .	1.3	3
7	Photodriven CO ₂ Hydrogenation into Diverse Products: Recent Progress and Perspective. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5291-5303.	4.6	18
8	Fe-Based Catalysts for the Direct Photohydrogenation of CO ₂ to Value-Added Hydrocarbons. <i>Advanced Energy Materials</i> , 2021, 11, 2002783.	19.5	90
9	Titania-Supported Ni ₂ P/Ni Catalysts for Selective Solar-Driven CO Hydrogenation. <i>Advanced Materials</i> , 2021, 33, e2103248.	21.0	41
10	Thermoelectric transport through strongly correlated double quantum dots with Kondo resonance. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 415, 127657.	2.1	2
11	High partial thermal conductivity of luminescence sites: a crucial factor for reducing the heat-induced lowering of the luminescence efficiency. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14439-14443.	5.5	4
12	Manganese Oxide Modified Nickel Catalysts for Photothermal CO Hydrogenation to Light Olefins. <i>Advanced Energy Materials</i> , 2020, 10, 1902860.	19.5	56
13	Kondo resonance assisted thermoelectric transport through strongly correlated quantum dots. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1.	5.1	3
14	Zero-energy modes in serially coupled double quantum dots*. <i>Chinese Physics B</i> , 2020, 29, 067302.	1.4	2
15	Performance of the T -matrix based master equation for Coulomb drag in double quantum dots. <i>Physical Review B</i> , 2020, 101, .	3.2	4
16	Key Factors Controlling the Large Second Harmonic Generation in Nonlinear Optical Materials. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9434-9439.	8.0	19
17	Von Sonnenlicht zu Brennstoffen: aktuelle Fortschritte der C ₁ -Solarchemie. <i>Angewandte Chemie</i> , 2019, 131, 17690-17715.	2.0	31
18	From Solar Energy to Fuels: Recent Advances in Light-Driven C ₁ Chemistry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17528-17551.	13.8	285

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19	Transient dynamics of a quantum-dot: From Kondo regime to mixed valence and to empty orbital regimes. <i>Journal of Chemical Physics</i> , 2018, 148, 134111.	3.0	7
20	Photothermal CO ₂ Hydrogenation: Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons (<i>Adv. Mater.</i> 3/2018). <i>Advanced Materials</i> , 2018, 30, 1870015.	21.0	3
21	Alumina-Supported CoFe Alloy Catalysts Derived from Layered-Double-Hydroxide Nanosheets for Efficient Photothermal CO ₂ Hydrogenation to Hydrocarbons. <i>Advanced Materials</i> , 2018, 30, 1704663.	21.0	309
22	Kondo-peak splitting and resonance enhancement caused by interdot tunneling in coupled double quantum dots. <i>Physical Review B</i> , 2018, 98, .	3.2	18
23	Reductive Transformation of Layered-Double-Hydroxide Nanosheets to Fe-Based Heterostructures for Efficient Visible-Light Photocatalytic Hydrogenation of CO. <i>Advanced Materials</i> , 2018, 30, e1803127.	21.0	100
24	Photothermal Catalysis: Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins (<i>Adv. Mater.</i> 31/2018). <i>Advanced Materials</i> , 2018, 30, 1870230.	21.0	6
25	Co-Based Catalysts Derived from Layered-Double-Hydroxide Nanosheets for the Photothermal Production of Light Olefins. <i>Advanced Materials</i> , 2018, 30, e1800527.	21.0	139
26	Corrected Kondo temperature beyond the conventional Kondo scaling limit. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 175601.	1.8	8
27	Kondo effect in double quantum dots with ferromagnetic RKKY interaction. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 025601.	1.8	2
28	Time-dependent transport through quantum-impurity systems with Kondo resonance. <i>New Journal of Physics</i> , 2015, 17, 033009.	2.9	31
29	Hierarchical Liouville-Space Approach for Accurate and Universal Characterization of Quantum Impurity Systems. <i>Physical Review Letters</i> , 2012, 109, 266403.	7.8	136
30	Magnetic Field Dependent Kondo Transport through Double Quantum Dots System. <i>Annalen Der Physik</i> , 0, , 2100439.	2.4	0