

Ruijuan Qi

List of Publications by Year in descending order

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76
papers

2,661
citations

201674

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h-index

189892

50
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docs citations

77
times ranked

4050
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency synthesis of Cu superfine particles via reducing cuprous and cupric oxides with monoethanolamine and their antimicrobial potentials. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 749-757.	9.4	2
2	Microstructurally Tailored Thin Ag_2Se Films toward Commercial Flexible Thermoelectrics. <i>Advanced Materials</i> , 2022, 34, e2104786.	21.0	47
3	Ferro-electric and magnetic properties in $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}$ films by Mn doping. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1003-1009.	5.5	0
4	FIB-Assisted Fabrication of Single Tellurium Nanotube Based High Performance Photodetector. <i>Micromachines</i> , 2022, 13, 11.	2.9	3
5	Atomic insights into the influence of Bi doping on the optical properties of two-dimensional van der Waals layered InSe. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 224006.	1.8	1
6	Highly Luminescent Copper(I) Halide Phosphors Encapsulated in Fumed Silica for Anti-Counterfeiting and Color-Converting Applications. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	12
7	Cell-Regulated Hollow Sulfur Nanospheres with Porous Shell: A Dual-Responsive Carrier for Sustained Drug Release. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 5138-5147.	6.7	2
8	Iron Single Atoms Anchored on Carbon Matrix/g-C ₃ N ₄ Hybrid Supports by Single-Atom Migration-Trapping Based on MOF Pyrolysis. <i>Nanomaterials</i> , 2022, 12, 1416.	4.1	6
9	Positive Role of Inhibiting CZTSSe Decomposition on Intrinsic Defects and Interface Recombination of 12.03% Efficient Kesterite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	5.8	16
10	Iron Single Atoms Anchored on Nitrogen-Doped Carbon Matrix/Nanotube Hybrid Supports for Excellent Oxygen Reduction Properties. <i>Nanomaterials</i> , 2022, 12, 1593.	4.1	2
11	Constructing nickel-iron oxyhydroxides integrated with iron oxides by microorganism corrosion for oxygen evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2202812119.	7.1	21
12	Atomic Insights into Ti Doping on the Stability Enhancement of Truncated Octahedron LiMn ₂ O ₄ Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 508.	4.1	18
13	Revealing a high-density three-dimensional Ruddlesden-Popper-type fault network in an SmNiO ₃ thin film. <i>Journal of Materials Research</i> , 2021, 36, 1637-1645.	2.6	7
14	Highly Stable Waterborne Luminescent Inks Based on MAPbBr ₃ @PbBr(OH) Nanocrystals for LEDs and Anticounterfeit Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 20622-20632.	8.0	42
15	Single-Crystal Lattice Filling in Connected Spaces inside 3D Networks. <i>Journal of the American Chemical Society</i> , 2021, 143, 6447-6459.	13.7	12
16	Highly Suppressed Thermal Conductivity in Diamond-like Cu ₂ SnS ₃ by Dense Dislocation. <i>ACS Applied Energy Materials</i> , 2021, 4, 8728-8733.	5.1	8
17	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25530-25537.	13.8	74
18	Boosting Oxygen Reduction via Integrated Construction and Synergistic Catalysis of Porous Platinum Alloy and Defective Graphitic Carbon. <i>Angewandte Chemie</i> , 2021, 133, 25734-25741.	2.0	5

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19	Understanding the Effect of Al Doping on the Electrochemical Performance Improvement of the LiMn_2O_4 Cathode Material. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45446-45454.	8.0	42
20	Local spin-state tuning of cobalt-iron selenide nanoframes for the boosted oxygen evolution. <i>Energy and Environmental Science</i> , 2021, 14, 365-373.	30.8	159
21	Highly Crystalline and (110)-Oriented n-Type Perovskite Films with Excellent Structural Stability via Cu Doping. <i>Crystal Growth and Design</i> , 2021, 21, 462-470.	3.0	4
22	Synthesis of Se nanowires at room temperature using selenourea as Se source. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5843-5847.	2.2	3
23	The effect of thickness on texture of $\text{Ge}_2\text{Sb}_2\text{Te}_5$ phase-change films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5848-5853.	2.2	3
24	Bismuth Oxides with Enhanced Bismuth-Oxygen Structure for Efficient Electrochemical Reduction of Carbon Dioxide to Formate. <i>ACS Catalysis</i> , 2020, 10, 743-750.	11.2	234
25	The crystallization mechanism of zirconium-doped Sb_2Te_3 material for phase-change random-access memory application. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5861-5865.	2.2	4
26	Coupling Effect of Au Nanoparticles with the Oxygen Vacancies of TiO_2 for Enhanced Charge Transfer. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23823-23831.	3.1	25
27	Nanometer-Thick Metastable Zinc Blende $\beta\text{-MnTe}$ Single-Crystalline Films for High-Performance Ultraviolet and Broadband Photodetectors. <i>ACS Applied Nano Materials</i> , 2020, 3, 12046-12054.	5.0	8
28	Thermal Evaporation of Large-Area SnS_2 Thin Films with a UV-to-NIR Photoelectric Response for Flexible Photodetector Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 24940-24950.	8.0	46
29	MoO_2 Sacrificial Layer for Optimizing Back Contact Interface of $\text{Cu}_2\text{ZnSn(S,Se)}_4$ Solar Cells. <i>IEEE Journal of Photovoltaics</i> , 2020, 10, 1191-1200.	2.5	23
30	The Relationships of Microscopic Evolution to Resistivity Variation of a FIB-Deposited Platinum Interconnector. <i>Micromachines</i> , 2020, 11, 588.	2.9	3
31	Gradient formation and charge carrier dynamics of CuBi_4 -based perovskite-like solar cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2800-2807.	4.9	10
32	High-stability fluorescent perovskites embedded in PbBrOH triggered by imidazole derivatives in water. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5594-5599.	5.5	24
33	Improved Tensile Strength of Al-5Ce Alloy by Permanent Magnet Stirring. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1972-1977.	2.2	22
34	Highly Selective Carbon Dioxide Electroreduction on Structure-Evolved Copper Perovskite Oxide toward Methane Production. <i>ACS Catalysis</i> , 2020, 10, 4640-4646.	11.2	112
35	Piezoelectric Nanogenerators Based on Helical Carbon Materials and Polyvinylidene difluoride-Trifluoroethylene Hybrids with Enhanced Energy Harvesting Performance. <i>Energy Technology</i> , 2020, 8, 1901249.	3.8	9
36	Rapid Synthesis of Uniform CdSe Nanorods by a Microwave-Assisted Solvothermal Method in Ethylenediamine. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 6495-6499.	0.9	1

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37	Revealing a metastable cubic phase in CoFe ₂ O ₄ –SrTiO ₃ three-dimensional network heteroepitaxial nanostructure. <i>Journal of Applied Physics</i> , 2020, 128, 225303.	2.5	0
38	Origin of Photocatalytic Activity in Ti ⁴⁺ /Ti ³⁺ Core–Shell Titanium Oxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20949-20959.	3.1	29
39	Luminescent CH ₃ NH ₃ PbBr ₃ –Cyclodextrin Core/Shell Nanodots with Controlled Size and Ultrastability through Host–Guest Interactions. <i>ChemNanoMat</i> , 2019, 5, 1311-1316.	2.8	11
40	VO ₂ (p)-V ₂ C(MXene) Grid Structure as a Lithium Polysulfide Catalytic Host for High-Performance Li–S Battery. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44282-44292.	8.0	100
41	Unusually Dispersed AgI Quantum Dots For Efficient HTL-Free CH ₃ NH ₃ PbI ₃ Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45568-45577.	8.0	10
42	Plan-view sample preparation of a buried nanodots array by FIB with accurate EDS positioning in thickness direction. <i>Ultramicroscopy</i> , 2019, 207, 112840.	1.9	2
43	Facile Synthesis of 3d Transition-Metal-Doped \pm -Co(OH) ₂ Nanomaterials in Water–Methanol Mediated with Ammonia for Oxygen Evolution Reaction. <i>ACS Omega</i> , 2019, 4, 16612-16618.	3.5	33
44	Modulating the Interlayer Spacing and Na ⁺ /Vacancy Disorder of P2-Na _{0.67} MnO ₂ for Fast Diffusion and High-Rate Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 6978-6985.	8.0	69
45	An in-situ room temperature route to CuBi ₄ based bulk-heterojunction perovskite-like solar cells. <i>Science China Materials</i> , 2019, 62, 519-526.	6.3	47
46	Microstructure evolution determined by the crystalline phases competition in self-assembled WO ₃ -BiVO ₄ hetero nanostructures. <i>Journal of Applied Physics</i> , 2018, 123, 085305.	2.5	4
47	N–Doping and Defective Nanographitic Domain Coupled Hard Carbon Nanoshells for High Performance Lithium/Sodium Storage. <i>Advanced Functional Materials</i> , 2018, 28, 1706294.	14.9	392
48	3R TaS ₂ Surpasses the Corresponding 1T and 2H Phases for the Hydrogen Evolution Reaction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2382-2390.	3.1	38
49	Evolution of cation ordering and crystal defects controlled by Zn substitutions in Cu ₂ SnS ₃ ceramics. <i>AIP Advances</i> , 2018, 8, 105322.	1.3	4
50	Size-controlled synthesis of hierarchical bismuth selenide nanoflowers and their photocatalytic performance in the presence of H ₂ O ₂ . <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	1.9	10
51	Microstructure of Cu ₂ S nanoprecipitates and its effect on electrical and thermal properties in thermoelectric Cu ₂ Zn _{0.2} Sn _{0.8} S ₃ ceramics. <i>AIP Advances</i> , 2018, 8, 085105.	1.3	5
52	Coral-Shaped MoS ₂ Decorated with Graphene Quantum Dots Performing as a Highly Active Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3653-3660.	8.0	98
53	High-performance supercapacitor electrode based on a nanocomposite of polyaniline and chemically exfoliated MoS ₂ nanosheets. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2071-2077.	2.5	18
54	The preparation, and structural and multiferroic properties of B-site ordered double-perovskite Bi ₂ FeMnO ₆ . <i>Journal of Materials Chemistry C</i> , 2017, 5, 5494-5500.	5.5	28

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55	Aggregation induced red shift emission of phosphorus doped carbon dots. RSC Advances, 2017, 7, 32225-32228.	3.6	113
56	Structure influence on the magnetic properties of La _{0.7} Sr _{0.3} MnO ₃ /La _{0.7} Ca _{0.3} MnO ₃ multilayer thin films fabricated by chemical solution deposition method. Ceramics International, 2017, 43, S497-S500.	4.8	2
57	Three-dimensional tetsubo-like Co(OH) ₂ nanorods on a macroporous electrically conductive network as an efficient electroactive framework for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 2629-2639.	10.3	34
58	Fermi level alignment by copper doping for efficient ITO/perovskite junction solar cells. Journal of Materials Chemistry A, 2017, 5, 25211-25219.	10.3	53
59	Electric field control of magnetism in nickel with coaxial cylinder structure at room temperature by electric double layer gating. Journal of Materials Chemistry C, 2017, 5, 10609-10614.	5.5	3
60	Organometal halide perovskite nanocrystals embedded in silicone resins with bright luminescence and ultrastability. Journal of Materials Chemistry C, 2017, 5, 12044-12049.	5.5	36
61	Surface Energy Driven Cubic-to-Hexagonal Grain Growth of Ge ₂ Sb ₂ Te ₅ Thin Film. Scientific Reports, 2017, 7, 5915.	3.3	25
62	Highly efficient field emission from ZnO nanorods and nanographene hybrids on a macroporous electric conductive network. Journal of Materials Chemistry C, 2017, 5, 9296-9305.	5.5	13
63	Evaluation of lattice dynamics, infrared optical properties and visible emissions of hexagonal GeO ₂ films prepared by liquid phase deposition. Journal of Materials Chemistry C, 2017, 5, 12792-12799.	5.5	11
64	Role of indium tin oxide electrode on the microstructure of self-assembled WO ₃ -BiVO ₄ hetero nanostructures. Journal of Applied Physics, 2017, 122, .	2.5	6
65	Microstructure evolution with composition ratio in self-assembled WO ₃ -BiVO ₄ hetero nanostructures for water splitting. Journal of Materials Research, 2017, 32, 2790-2799.	2.6	12
66	Manganese molybdate nanoflakes on silicon microchannel plates as novel nano energetic material. Royal Society Open Science, 2017, 4, 171229.	2.4	5
67	Extraction of structural and chemical information from high angle annular dark-field image by an improved peaks finding method. Microscopy Research and Technique, 2016, 79, 820-826.	2.2	3
68	A glassy carbon electrode modified with MoS ₂ nanosheets and poly(3,4-ethylenedioxythiophene) for simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. Mikrochimica Acta, 2016, 183, 2517-2523.	5.0	104
69	Nitrogen-doped multilayered nanographene derived from Ni ₃ C with efficient electron field emission. Journal of Materials Chemistry C, 2016, 4, 9251-9260.	5.5	9
70	Dielectric behaviors of Aurivillius Bi ₅ Ti ₃ Fe _{0.5} Cr _{0.5} O ₁₅ multiferroic polycrystals: Determining the intrinsic magnetoelectric responses by impedance spectroscopy. Scientific Reports, 2016, 5, 17846.	3.3	49
71	Large room-temperature magnetoresistance in epitaxial La _{0.7} Ca _{0.25} Sr _{0.05} MnO ₃ thin films prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2016, 78, 576-581.	2.4	10
72	Firework-shaped TiO ₂ microspheres embedded with few-layer MoS ₂ as an anode material for excellent performance lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 6392-6401.	10.3	104

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73	Hybrid MnO ₂ /C nano-composites on a macroporous electrically conductive network for supercapacitor electrodes. Journal of Materials Chemistry A, 2015, 3, 16695-16707.	10.3	41
74	Hierarchical 3-dimensional CoMoO ₄ nanoflakes on a macroporous electrically conductive network with superior electrochemical performance. Journal of Materials Chemistry A, 2015, 3, 13776-13785.	10.3	61
75	Facile synthesis of hollow hierarchical Ni ³⁺ -Al ₂ O ₃ nanocomposites for methane dry reforming catalysis. RSC Advances, 2014, 4, 51184-51193.	3.6	50
76	Carbonâ€Confined Indium Oxides for Efficient Carbon Dioxide Reduction in a Solidâ€State Electrolyte Flow Cell. Angewandte Chemie, 0, , .	2.0	7