Yu-Jun Qin

List of Publications by Year
in descending order

80 papers	2,341 citations	201674 27 h-index	223800 46 g-index
81 all docs	81 docs citations	81 times ranked	3280 citing authors

#	Article	IF	Citations
1	Metal-organic framework-derived Mn3O4 nanostructure on reduced graphene oxide as high-performance supercapacitor electrodes. Journal of Alloys and Compounds, 2022, 897, 162640.	5.5	25
2	Polarization-Induced Trap States in Perovskite Solar Cells Revealed by Circuit-Switched Transient Photoelectric Technique. Journal of Physical Chemistry C, 2022, 126, 3696-3704.	3.1	7
3	Silicon Dioxide Nanoparticles Increase the Incidence Depth of Short-Wavelength Light in Active Layer for High-Performance Perovskite Solar Cells. Journal of Physical Chemistry C, 2022, 126, 7400-7409.	3.1	1
4	Evaporation-induced hydrated graphene/polyaniline/carbon cloth integration towards high mass loading supercapacitor electrodes. Chemical Engineering Journal, 2022, 445, 136727.	12.7	33
5	Graphene Hydrogels Implanted onto Carbon Cloth for Polypyrrole Electrodeposition toward High-Performance Supercapacitor Electrodes. ACS Sustainable Chemistry and Engineering, 2022, 10, 8495-8505.	6.7	8
6	Influence of the MACl additive on grain boundaries, trap-state properties, and charge dynamics in perovskite solar cells. Physical Chemistry Chemical Physics, 2021, 23, 6162-6170.	2.8	18
7	Simultaneous Transport Promotion and Recombination Suppression in Perovskite Solar Cells by Defect Passivation with Li-Doped Graphitic Carbon Nitride. Journal of Physical Chemistry C, 2021, 125, 5525-5533.	3.1	7
8	Facile preparation of graphene/polyaniline composite hydrogel film by electrodeposition for binder-free all-solid-state supercapacitor. Journal of Alloys and Compounds, 2021, 875, 159931.	5.5	44
9	Rational design of active layer configuration with parallel graphene/polyaniline composite films for high-performance supercapacitor electrode. Electrochimica Acta, 2021, 398, 139330.	5.2	17
10	Facile fabrication of binder-free reduced graphene oxide/MnO2/Ni foam hybrid electrode for high-performance supercapacitors. Journal of Alloys and Compounds, 2020, 812, 152124.	5.5	55
11	Facile synthesis of diarylsulfones from arenes and 3CdSO4Â·xH2O via mechanochemistry. Tetrahedron Letters, 2020, 61, 151567.	1.4	3
12	Bifunctional Chlorosilane Modification for Defect Passivation and Stability Enhancement of High-Efficiency Perovskite Solar Cells. Journal of Physical Chemistry C, 2020, 124, 22903-22913.	3.1	8
13	In Situ Synthesis of Trifluoroacetic Acid-Doped Polyaniline/Reduced Graphene Oxide Composites for High-Performance All-Solid-State Supercapacitors. ACS Applied Energy Materials, 2020, 3, 8774-8785.	5.1	29
14	Effect of energetic distribution of trap states on fill factor in perovskite solar cells. Journal of Power Sources, 2020, 479, 229077.	7.8	10
15	Diffusion Dynamics of Mobile Ions Hidden in Transient Optoelectronic Measurement in Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 8330-8337.	5.1	1
16	Ferric chlorideâ€“catalyzed deoxygenative chlorination of carbonyl compounds: A comparison of chlorodimethylsilane and dichloromethylsilane system. Journal of Chemical Research, 2020, 44, 667-675.	1.3	0
17	Modification of NiOx hole transport layer for acceleration of charge extraction in inverted perovskite solar cells. RSC Advances, 2020, 10, 12289-12296.	3.6	22
18	Effects of interfacial energy level alignment on carrier dynamics and photovoltaic performance of inverted perovskite solar cells. Journal of Power Sources, 2020, 452, 227845.	7.8	19

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19	The influence of fullerene on hysteresis mechanism in planar perovskite solar cells. Chemical Physics Letters, 2020, 750, 137443.	2.6	5
20	The influence of the electron transport layer on charge dynamics and trap-state properties in planar perovskite solar cells. RSC Advances, 2020, 10, 12347-12353.	3.6	16
21	Fabrication of PVC/MWNTs-g-C16 composites with high solar-thermal conversion performance for anti-icing and deicing. ScienceAsia, 2020, 46, 169.	0.5	1
22	Preparation and Properties of Polyvinyl Chloride/Carbon Nanotubes Composite. Journal Wuhan University of Technology, Materials Science Edition, 2019, 34, 516-520.	1.0	4
23	Solvent-free mechanochemical synthesis of diacylfuroxans. Tetrahedron Letters, 2019, 60, 1687-1690.	1.4	14
24	Preparation of graphene/Au aerogel film through the hydrothermal process and application for H₂O₂ detection. RSC Advances, 2019, 9, 13042-13047.	3.6	6
25	Charge carrier recombination dynamics in a bi-cationic perovskite solar cell. Physical Chemistry Chemical Physics, 2019, 21, 5409-5415.	2.8	20
26	Reduced Defects of MAPbI₃ Thin Films Treated by FAI for Highâ€Performance Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1805810.	14.9	73
27	Graphene/Gold nanoparticle composite-based paper sensor for electrochemical detection of hydrogen peroxide. Fullerenes Nanotubes and Carbon Nanostructures, 2019, 27, 23-27.	2.1	13
28	Fabrication of multi-walled carbon-nanotube-grafted polyvinyl-chloride composites with high solar-thermal-conversion performance. Composites Science and Technology, 2019, 170, 77-84.	7.8	11
29	Synthesis, crystal structure and photophysical properties of 1,4-bis(1,3-diazaazulen-2-yl)benzene: a new Ï€ building block. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 171-176.	0.5	0
30	Characterization of the influences of morphology on the intrinsic properties of perovskite films by temperature-dependent and time-resolved spectroscopies. Physical Chemistry Chemical Physics, 2018, 20, 6575-6581.	2.8	11
31	Protonation behaviour of 2-phenyl-1,3-diazaazulene derivatives. Tetrahedron, 2018, 74, 731-739.	1.9	3
32	Graphene/gold nanoparticle aerogel electrode for electrochemical sensing of hydrogen peroxide. Materials Letters, 2018, 229, 368-371.	2.6	9
33	Adverse Effects of Excess Residual PbI₂ on Photovoltaic Performance, Charge Separation, and Trapâ€State Properties in Mesoporous Structured Perovskite Solar Cells. Chemistry - A European Journal, 2017, 23, 3986-3992.	3.3	63
34	Facile fabrication of 1,3-diazaazulene derivative nanowires. Materials Letters, 2017, 205, 182-185.	2.6	3
35	The Influence of Morphology and PbI₂ on the Intrinsic Trap State Distribution in Perovskite Films Determined by Using Temperatureâ€Dependent Fluorescence Spectroscopy. ChemPhysChem, 2017, 18, 310-317.	2.1	7
36	Multipleâ€Trapping Model for the Charge Recombination Dynamics in Mesoporousâ€Structured Perovskite Solar Cells. ChemSusChem, 2017, 10, 4872-4878.	6.8	11

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37	Convenient fabrication of graphene/gold nanoparticle aerogel as direct electrode for H2O2 sensing. Materials Letters, 2017, 207, 49-52.	2.6	17
38	Power output and carrier dynamics studies of perovskite solar cells under working conditions. Physical Chemistry Chemical Physics, 2017, 19, 19922-19927.	2.8	4
39	The Influence of Structural Configuration on Charge Accumulation, Transport, Recombination, and Hysteresis in Perovskite Solar Cells. Energy Technology, 2017, 5, 442-451.	3.8	15
40	Porous gold nanoparticle/graphene oxide composite as efficient catalysts for reduction of 4-nitrophenol. RSC Advances, 2016, 6, 35945-35951.	3.6	35
41	Gold nanoparticles/carbon nanotubes composite microspheres for catalytic reduction of 4-nitrophenol. Chinese Chemical Letters, 2016, 27, 843-846.	9.0	15
42	Mechanism of biphasic charge recombination and accumulation in TiO₂mesoporous structured perovskite solar cells. Physical Chemistry Chemical Physics, 2016, 18, 12128-12134.	2.8	28
43	Efficient promotion of charge separation and suppression of charge recombination by blending PCBM and its dimer as electron transport layer in inverted perovskite solar cells. RSC Advances, 2016, 6, 112512-112519.	3.6	15
44	The influence of morphology on charge transport/recombination dynamics in planar perovskite solar cells. Chemical Physics Letters, 2016, 662, 257-262.	2.6	17
45	Carbon nanotube composite microspheres as a highly efficient solid-phase microextraction coating for sensitive determination of phthalate acid esters in water samples. Journal of Chromatography A, 2016, 1468, 17-22.	3.7	62
46	A convenient approach to producing a sensitive MWCNT-based paper sensor. RSC Advances, 2016, 6, 112241-112245.	3.6	12
47	The fabrication of flower-like graphene/octadecylamine composites. Chinese Chemical Letters, 2015, 26, 1144-1146.	9.0	4
48	Strengthened graphene oxide/diazoresin multilayer composites from layer-by-layer assembly and cross-linking. Chinese Chemical Letters, 2015, 26, 1155-1157.	9.0	11
49	The influence of hierarchical TiO2 microspheres on the trap state distribution and charge transport/recombination dynamics in quantum dot sensitized solar cells. RSC Advances, 2015, 5, 32110-32117.	3.6	5
50	Trap-limited charge recombination in intrinsic perovskite film and meso-superstructured perovskite solar cells and the passivation effect of the hole-transport material on trap states. Physical Chemistry Chemical Physics, 2015, 17, 29501-29506.	2.8	36
51	Characterization and Distribution of Poly(3â€hexylthiophene) Phases in an Annealed Blend Film. ChemPhysChem, 2014, 15, 935-941.	2.1	6
52	Charge Photogeneration Dynamics of Poly(3-hexylthiophene) Blend with Covalently-Linked Fullerene Derivative in Low Fraction. Journal of Physical Chemistry C, 2014, 118, 21377-21384.	3.1	9
53	Cross-linked multilayer composite films and microcapsules embedded carbon nanotubes. Materials Letters, 2013, 105, 132-135.	2.6	10
54	The pH-controlled morphology transition of polyaniline from nanofibers to nanospheres. Nanotechnology, 2013, 24, 175602.	2.6	19

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55	Dumb-belled PCBM derivative with better photovoltaic performance. Journal of Materials Chemistry, 2012, 22, 1758-1761.	6.7	32
56	Photovoltaic properties of dimeric methanofullerenes containing hydroxyl groups. Chemical Physics Letters, 2012, 535, 100-105.	2.6	11
57	Noncovalent assembly of carbon nanotube-inorganic hybrids. Journal of Materials Chemistry, 2011, 21, 7527.	6.7	74
58	Preparation of carbon nanotube/chitosan/gold nanoparticle composite microspheres. Materials Letters, 2011, 65, 1510-1513.	2.6	16
59	Hollow Carbon Nanotube Microspheres and Hemimicrospheres. Journal of Physical Chemistry C, 2009, 113, 1666-1671.	3.1	33
60	Optical limiting performances of multi-walled carbon nanotubols and [C60]fullerols. Chemical Physics Letters, 2008, 457, 159-162.	2.6	28
61	Multiwalled Carbon Nanotube Microspheres from Layer-by-Layer Assembly and Calcination. Journal of Physical Chemistry C, 2008, 112, 11617-11622.	3.1	37
62	Effect of Surfactant Structure on the Stability of Carbon Nanotubes in Aqueous Solution. Journal of Physical Chemistry B, 2008, 112, 7227-7233.	2.6	77
63	Covalently attached multilayer self-assemblies of single-walled carbon nanotubols and diazoresins. Nanotechnology, 2007, 18, 365704.	2.6	17
64	An Electrogenerated Chemical-Oxidation-Driving Nonvolatile Plastic Memory Device with the Conjugated Polymer/Carbon Nanotube Blend. Electrochemical and Solid-State Letters, 2007, 10, P19.	2.2	3
65	Alkylation and arylation of single-walled carbon nanotubes by mechanochemical method. Chemical Physics Letters, 2007, 444, 258-262.	2.6	31
66	Carbon Nanotube Delivery of the GFP Gene into Mammalian Cells. ChemBioChem, 2006, 7, 239-242.	2.6	156
67	Efficient method to functionalize carbon nanotubes with thiol groups and fabricate gold nanocomposites. Chemical Physics Letters, 2005, 401, 352-356.	2.6	72
68	Electrical Properties of Soluble Carbon Nanotube/Polymer Composite Films. Chemistry of Materials, 2005, 17, 130-135.	6.7	106
69	Ultrafast third-order nonlinear optical response of two soluble multi-wall carbon nanotubes. Journal Physics D: Applied Physics, 2004, 37, 1079-1082.	2.8	12
70	Fabrication and Characterization of Soluble Multi-Walled Carbon Nanotubes Reinforced P(MMA-co-EMA) Composites. Macromolecular Materials and Engineering, 2004, 289, 828-832.	3.6	63
71	In situ synthesis of CdS nanoparticles on multi-walled carbon nanotubes. Carbon, 2004, 42, 455-458.	10.3	66
72	Self-Assembly of Gold Nanoparticles on Fullerene Nanospheres. Langmuir, 2004, 20, 1466-1472.	3.5	34

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73	Reduction of solubilized multi-walled carbon nanotubes. Carbon, 2003, 41, 331-335.	10.3	125
74	C60 modified single-walled carbon nanotubes. Chemical Physics Letters, 2003, 377, 32-36.	2.6	59
75	Large-Scale Preparation of Solubilized Carbon Nanotubes. Chemistry of Materials, 2003, 15, 3256-3260.	6.7	109
76	PVK-Modified Single-Walled Carbon Nanotubes with Effective Photoinduced Electron Transfer. Macromolecules, 2003, 36, 6286-6288.	4.8	176
77	Concise Route to Functionalized Carbon Nanotubes. Journal of Physical Chemistry B, 2003, 107, 12899-12901.	2.6	93
78	Solvent effects of optical limiting properties of carbon nanotubes. Synthetic Metals, 2003, 135-136, 853-854.	3.9	12
79	Mechanochemical sulfonation of aromatic compounds using NaHSO4Â·H2O/P2O5. Journal of Chemical Research, 0, , 174751982110325.	1.3	2
80	Interpretation of the Biphasic Charge Carrier Recombination Process Observed in Mesoporous-Structured Perovskite Solar Cells. , 0, , .		0