Tian Qingyong

List of Publications by Year
in descending order

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47	4,438	101543	214800
papers	citations	36 h-index	47 g-index

47	47	47	6344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress in magnetic iron oxideâ€“semiconductor composite nanomaterials as promising photocatalysts. Nanoscale, 2015, 7, 38-58.	5.6	453
2	Inorganic nanomaterials for printed electronics: a review. Nanoscale, 2017, 9, 7342-7372.	5.6	423
3	Shape control of inorganic nanoparticles from solution. Nanoscale, 2016, 8, 1237-1259.	5.6	370
4	Stretchable electronics: functional materials, fabrication strategies and applications. Science and Technology of Advanced Materials, 2019, 20, 187-224.	6.1	245
5	3D Flowerlike Î±-Fe₂O₃@TiO₂ Coreâ€“Shell Nanostructures: General Synthesis and Enhanced Photocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2015, 3, 2975-2984.	6.7	184
6	Recent progress in printed flexible solid-state supercapacitors for portable and wearable energy storage. Journal of Power Sources, 2019, 410-411, 69-77.	7.8	159
7	Tunable Emissions of Upconversion Fluorescence for Security Applications. Advanced Optical Materials, 2019, 7, 1801171.	7.3	151
8	Toward fiber-, paper-, and foam-based flexible solid-state supercapacitors: electrode materials and device designs. Nanoscale, 2019, 11, 7041-7061.	5.6	133
9	Recent progress on photocatalytic heterostructures with full solar spectral responses. Chemical Engineering Journal, 2020, 393, 124719.	12.7	123
10	Large-scale synthesis and screen printing of upconversion hexagonal-phase NaYF₄:Yb³⁺,Tm³⁺/Er³⁺/Eu³⁺ plates for security applications. Journal of Materials Chemistry C, 2016, 4, 6327-6335.	5.5	113
11	NIR light-activated upconversion semiconductor photocatalysts. Nanoscale Horizons, 2019, 4, 10-25.	8.0	113
12	Allâ€Printed MnHCFâ€MnO_xâ€Based Highâ€Performance Flexible Supercapacitors. Advanced Energy Materials, 2020, 10, 2000022.	19.5	113
13	Electrode materials and device architecture strategies for flexible supercapacitors in wearable energy storage. Journal of Materials Chemistry A, 2021, 9, 8099-8128.	10.3	93
14	Preparation and RGB upconversion optic properties of transparent anti-counterfeiting films. Nanoscale, 2017, 9, 15982-15989.	5.6	90
15	All-printed, low-cost, tunable sensing range strain sensors based on Ag nanodendrite conductive inks for wearable electronics. Journal of Materials Chemistry C, 2019, 7, 809-818.	5.5	82
16	Tube-Like Ternary Î±-Fe₂O₃@SnO₂@Cu₂O Sandwich Heterostructures: Synthesis and Enhanced Photocatalytic Properties. ACS Applied Materials & Interfaces, 2014, 6, 13088-13097.	8.0	81
17	Efficient UVâ€“Vis-NIR Responsive Upconversion and Plasmonic-Enhanced Photocatalyst Based on Lanthanide-Doped NaYF₄/SnO₂/Ag. ACS Sustainable Chemistry and Engineering, 2017, 5, 10889-10899.	6.7	76
18	Dimensional heterostructures of 1D CdS/2D ZnIn₂S₄ composited with 2D graphene: designed synthesis and superior photocatalytic performance. Dalton Transactions, 2017, 46, 2770-2777.	3.3	73

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19	Full-spectrum-activated Z-scheme photocatalysts based on NaYF₄:Yb³⁺/Er³⁺, TiO₂ and Ag₆Si₂O₇. Journal of Materials Chemistry A, 2017, 5, 23566-23576.	10.3	72
20	SiO2â€“Agâ€“SiO2â€“TiO2 multi-shell structures: plasmon enhanced photocatalysts with wide-spectral-response. Journal of Materials Chemistry A, 2013, 1, 13128.	10.3	71
21	Efficient Visible Light Formaldehyde Oxidation with 2D p-n Heterostructure of BiOBr/BiPO₄ Nanosheets at Room Temperature. ACS Sustainable Chemistry and Engineering, 2017, 5, 5008-5017.	6.7	71
22	Facile synthesis of amorphous FeOOH/MnO2 composites as screen-printed electrode materials for all-printed solid-state flexible supercapacitors. Journal of Power Sources, 2017, 361, 31-38.	7.8	71
23	All-printed ultraflexible and stretchable asymmetric in-plane solid-state supercapacitors (ASCs) for wearable electronics. Journal of Power Sources, 2018, 397, 59-67.	7.8	69
24	Template and Silica Interlayer Tailorable Synthesis of Spindle-like Multilayer Î±-Fe₂O₃/Ag/SnO₂ Ternary Hybrid Architectures and Their Enhanced Photocatalytic Activity. ACS Applied Materials & Interfaces, 2014, 6, 1113-1124.	8.0	67
25	Printed flexible supercapacitor: Ink formulation, printable electrode materials and applications. Applied Physics Reviews, 2021, 8, .	11.3	67
26	Screenâ€Printed, Lowâ€Cost, and Patterned Flexible Heater Based on Ag Fractal Dendrites for Human Wearable Application. Advanced Materials Technologies, 2019, 4, 1800453.	5.8	64
27	Recent advances in printed flexible heaters for portable and wearable thermal management. Materials Horizons, 2021, 8, 1634-1656.	12.2	62
28	Shape-controlled iron oxide nanocrystals: synthesis, magnetic properties and energy conversion applications. CrystEngComm, 2016, 18, 6303-6326.	2.6	61
29	Allâ€Printed Solidâ€State Microsupercapacitors Derived from Selfâ€Template Synthesis of Ag@PPy Nanocomposites. Advanced Materials Technologies, 2018, 3, 1700206.	5.8	61
30	Zinc Oxide Coating Effect for the Dye Removal and Photocatalytic Mechanisms of Flower-Like MoS2 Nanoparticles. Nanoscale Research Letters, 2017, 12, 221.	5.7	57
31	All-printed solid-state supercapacitors with versatile shapes and superior flexibility for wearable energy storage. Journal of Materials Chemistry A, 2019, 7, 15960-15968.	10.3	57
32	Non-centrosymmetric Auâ€“SnO2 hybrid nanostructures with strong localization of plasmonic for enhanced photocatalysis application. Nanoscale, 2013, 5, 5628.	5.6	51
33	Printable, Down/Upâ€Conversion Tripleâ€Mode Fluorescence Responsive and Colorless Selfâ€Healing Elastomers with Superior Toughness. Advanced Functional Materials, 2021, 31, 2100211.	14.9	51
34	In situ Oxidation and Self-Assembly Synthesis of Dumbbell-like Î±-Fe₂O₃/Ag/AgX (X = Cl, Br, I) Heterostructures with Enhanced Photocatalytic Properties. ACS Sustainable Chemistry and Engineering, 2016, 4, 1521-1530.	6.7	48
35	Dual upconversion nanophotoswitch for security encoding. Science China Materials, 2019, 62, 368-378.	6.3	40
36	Structure-designed fabrication of all-printed flexible in-plane solid-state supercapacitors for wearable electronics. Journal of Power Sources, 2019, 425, 195-203.	7.8	39

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37	Anchoring of Ag₆Si₂O₇ nanoparticles on Î±-Fe₂O₃ short nanotubes as a Z-scheme photocatalyst for improving their photocatalytic performances. Dalton Transactions, 2016, 45, 12745-12755.	3.3	38
38	Recent achievements in self-healing materials based on ionic liquids: a review. Journal of Materials Science, 2020, 55, 13543-13558.	3.7	37
39	Directly printing of upconversion fluorescence-responsive elastomers for self-healable optical application. Chemical Engineering Journal, 2020, 384, 123375.	12.7	31
40	Self-assemble SnO₂@TiO₂ porous nanowireâ€“nanosheet heterostructures for enhanced photocatalytic property. CrystEngComm, 2014, 16, 10863-10869.	2.6	29
41	Ni(OH)2/NiMoO4 nanoplates for large-scale fully-printed flexible solid-state supercapacitors. Journal of Power Sources, 2019, 433, 126676.	7.8	28
42	Printing the Ultra-Long Ag Nanowires Inks onto the Flexible Textile Substrate for Stretchable Electronics. Nanomaterials, 2019, 9, 686.	4.1	26
43	Carbon and silica interlayer influence for the photocatalytic performances of spindle-like Î±-Fe 2 O 3 /Bi 2 O 3 p â€“ n heterostructures. Materials Science in Semiconductor Processing, 2016, 41, 411-419.	4.0	25
44	Catalytic Application and Mechanism Studies of Argentic Chloride Coupled Ag/Au Hollow Heterostructures: Considering the Interface Between Ag/Au Bimetals. Nanoscale Research Letters, 2019, 14, 35.	5.7	23
45	Tube-like Î±-Fe₂O₃@Ag/AgCl heterostructure: controllable synthesis and enhanced plasmonic photocatalytic activity. RSC Advances, 2015, 5, 61239-61248.	3.6	22
46	Synthesis and photocatalytic application of trinary structural g-C3N4/Ag/Ag3PO4 composite nanomaterials. Journal of Environmental Chemical Engineering, 2017, 5, 5777-5785.	6.7	14
47	Enhanced pseudocapacitive performance of CoSnO3 through Mn2+ doping by ion-exchange method for all-printed supercapacitors. Electrochimica Acta, 2020, 331, 135298.	5.2	11