

# Jun Yan

## List of Publications by Year in descending order

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68  
papers

11,373  
citations

172207

29  
h-index

128067

60  
g-index

68  
all docs

68  
docs citations

68  
times ranked

12760  
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Macroporous Oxidation-Resistant Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Hybrid Hydrogels for Enhanced Supercapacitive Performances with Ultralong Cycle Life. <i>Advanced Functional Materials</i> , 2022, 32, 2109479.	7.8	74
2	Ultrathin-Walled Bi <sub>2</sub> S <sub>3</sub> Nanoroll/MXene Composite toward High Capacity and Fast Lithium Storage. <i>Small</i> , 2022, 18, e2106673.	5.2	24
3	Effect of mechanical properties on the self-healing behavior of waterborne polyurethane coatings. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	1.3	11
4	Performance enhancement of a self-powered imaging CsPbBr <sub>3</sub> photodetector by tuning the trap effects of carriers. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7460-7468.	2.7	7
5	Reconfigurable self-powered imaging photodetectors by reassembling and disassembling ZnO/perovskite heterojunctions. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8922-8930.	2.7	15
6	WY14643 improves left ventricular myocardial mitochondrial and systolic functions in obese rats under chronic persistent hypoxia via the PPAR $\alpha$ pathway. <i>Life Sciences</i> , 2021, 266, 118888.	2.0	6
7	Review on synthesis of three-dimensional graphene skeletons and their absorption performance for oily wastewater. <i>Environmental Science and Pollution Research</i> , 2021, 28, 16-34.	2.7	18
8	3D Porous Oxidation-Resistant MXene/Graphene Architectures Induced by In Situ Zinc Template toward High-Performance Supercapacitors. <i>Advanced Functional Materials</i> , 2021, 31, 2101087.	7.8	154
9	Versatile Interfacial Self-Assembly of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene Based Composites with Enhanced Kinetics for Superior Lithium and Sodium Storage. <i>ACS Nano</i> , 2021, 15, 12140-12150.	7.3	70
10	High-Capacity and Kinetically Accelerated Lithium Storage in MoO <sub>3</sub> Enabled by Oxygen Vacancies and Heterostructure. <i>Advanced Energy Materials</i> , 2021, 11, 2101712.	10.2	184
11	Simultaneous enhancement of treatment performance and energy recovery using pyrite as anodic filling material in constructed wetland coupled with microbial fuel cells. <i>Water Research</i> , 2021, 201, 117333.	5.3	44
12	Treatment of microfiber alkali weight-reduction wastewater with high salt concentration by Fenton oxidation and bacterial degradation. <i>Water and Environment Journal</i> , 2020, 34, 309-319.	1.0	2
13	Three-dimensional biomass derived hard carbon with reconstructed surface as a free-standing anode for sodium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 203-210.	5.0	47
14	Cardanol with a Covalently Attached Organophosphate Moiety as a Halogen-Free, Intrinsically Flame-Retardant PVC Bio-Plasticizer. <i>Fibers and Polymers</i> , 2020, 21, 1649-1656.	1.1	7
15	Separation of Sources of Seasonal Uplift in China Using Independent Component Analysis of GNSS Time Series. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 11951-11971.	1.4	29
16	MXene-derived TiO <sub>2</sub> /reduced graphene oxide composite with an enhanced capacitive capacity for Li-ion and K-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5363-5372.	5.2	178
17	Anionic P-substitution toward ternary Ni-S-P nanoparticles immobilized graphene with ultrahigh rate and long cycle life for hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24374-24388.	5.2	77
18	Fe <sub>3</sub> O <sub>4</sub> nanospheres in situ decorated graphene as high-performance anode for asymmetric supercapacitor with impressive energy density. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 235-244.	5.0	89

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19	A thermochromic luminous polyurethane based on long persistent luminescent phosphors and thermochromic pigment. <i>New Journal of Chemistry</i> , 2018, 42, 5066-5070.	1.4	15
20	Ultrahigh energy density battery-type asymmetric supercapacitors: NiMoO <sub>4</sub> nanorod-decorated graphene and graphene/Fe <sub>2</sub> O <sub>3</sub> quantum dots. <i>Nano Research</i> , 2018, 11, 4744-4758.	5.8	76
21	Ternary Transition Metal Sulfides Embedded in Graphene Nanosheets as Both the Anode and Cathode for High-Performance Asymmetric Supercapacitors. <i>Chemistry of Materials</i> , 2018, 30, 1055-1068.	3.2	268
22	2D Titanium Carbide/Reduced Graphene Oxide Heterostructures for Supercapacitor Applications. <i>Batteries and Supercaps</i> , 2018, 1, 33-38.	2.4	72
23	Fabrication of retro-reflective polyurethane via covalently embedding with amino-functionalized glass microspheres. <i>Progress in Organic Coatings</i> , 2018, 115, 115-121.	1.9	3
24	Synthesis and Application of Phosphorus-containing Flame Retardant Plasticizer for Polyvinyl Chloride. <i>Fibers and Polymers</i> , 2018, 19, 1057-1063.	1.1	24
25	Synthesis, Characterization, and Optical Performance of a Novel Fluorescent Waterborne Polyurethane. <i>Advances in Polymer Technology</i> , 2017, 36, 137-144.	0.8	4
26	Flame retardancy, mechanical, and thermal properties of waterborne polyurethane conjugated with a novel phosphorous-nitrogen intumescent flame retardant. <i>Polymer Composites</i> , 2017, 38, 452-462.	2.3	31
27	Enhanced properties of polyvinyl chloride modified by graphene reinforced thermoplastic polyurethane. <i>Polymer International</i> , 2017, 66, 925-930.	1.6	5
28	Hydroxyl-decorated ammonium polyphosphate as flame retardant reinforcing agent in solvent-free two-component polyurethane. <i>Polymer International</i> , 2017, 66, 1598-1609.	1.6	9
29	Review on the preparation and modified technologies of microencapsulated red phosphorus. <i>AIP Conference Proceedings</i> , 2017, . .	0.3	2
30	High Energy Density Aqueous Magnesium-Ion Battery Based on a Carbon-Coated FeVO <sub>4</sub> Anode and a Mg-Oxide Cathode. <i>Chemistry - A European Journal</i> , 2017, 23, 17118-17126.	1.7	80
31	A photochromic long persistent luminescent polyurethane based on a colour conversion process. <i>New Journal of Chemistry</i> , 2017, 41, 15405-15410.	1.4	8
32	Flexible MXene/Graphene Films for Ultrafast Supercapacitors with Outstanding Volumetric Capacitance. <i>Advanced Functional Materials</i> , 2017, 27, 1701264.	7.8	1,354
33	Study on the extraction of AP components in HTPB solid propellant by water/ethanol recovery. <i>AIP Conference Proceedings</i> , 2017, . .	0.3	0
34	Research on the compatibility of UF resin matrix composites with propellant. <i>AIP Conference Proceedings</i> , 2017, . .	0.3	0
35	Biomass-derived three-dimensional honeycomb-like hierarchical structured carbon for ultrahigh energy density asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 13589-13602.	5.2	199
36	Synergistic effect of phosphorus-nitrogen and silicon-containing chain extenders on the mechanical properties, flame retardancy and thermal degradation behavior of waterborne polyurethane. <i>RSC Advances</i> , 2016, 6, 72409-72422.	1.7	40

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37	Sunlight-activated long persistent luminescent polyurethane incorporated with amino-functionalized $\text{SrAl}_2\text{O}_4$ :Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphor. <i>Polymer International</i> , 2016, 65, 1238-1244.	1.6	17
38	Effect of surface free energy and wettability on the adhesion property of waterborne polyurethane adhesive. <i>RSC Advances</i> , 2016, 6, 99346-99352.	1.7	32
39	Waterborne polyurethane conjugated with novel diol chain-extender bearing cyclic phosphoramidate lateral group: synthesis, flammability and thermal degradation mechanism. <i>RSC Advances</i> , 2016, 6, 56610-56622.	1.7	20
40	Carbon materials for high volumetric performance supercapacitors: design, progress, challenges and opportunities. <i>Energy and Environmental Science</i> , 2016, 9, 729-762.	15.6	1,037
41	Circulating tumor cells are correlated with disease progression and treatment response in an orthotopic hepatocellular carcinoma model. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2015, 87, 1020-1028.	1.1	34
42	Novel environmentally sustainable cardanol-based plasticizer covalently bound to PVC via click chemistry: synthesis and properties. <i>RSC Advances</i> , 2015, 5, 16980-16985.	1.7	59
43	Preparation and characterization of micro-copper flakes /nano-TiO <sub>2</sub> composite particles. <i>Ceramics International</i> , 2015, 41, 3365-3370.	2.3	7
44	Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities. <i>Advanced Energy Materials</i> , 2014, 4, 1300816.	10.2	1,727
45	Interconnected Frameworks with a Sandwiched Porous Carbon Layer/Graphene Hybrids for Supercapacitors with High Gravimetric and Volumetric Performances. <i>Advanced Energy Materials</i> , 2014, 4, 1400500.	10.2	234
46	Template-Assisted Low Temperature Synthesis of Functionalized Graphene for Ultrahigh Volumetric Performance Supercapacitors. <i>ACS Nano</i> , 2014, 8, 4720-4729.	7.3	413
47	Supercapacitors: Recent Advances in Design and Fabrication of Electrochemical Supercapacitors with High Energy Densities ( <i>Adv. Energy Mater.</i> 4/2014). <i>Advanced Energy Materials</i> , 2014, 4, .	10.2	28
48	Nitrogen-Doped Carbon Networks for High Energy Density Supercapacitors Derived from Polyaniline Coated Bacterial Cellulose. <i>Advanced Functional Materials</i> , 2014, 24, 3953-3961.	7.8	336
49	Microstructure and electromagnetic interference shielding effectiveness of electroless Ni-P alloy coating on PVC plastic. <i>Fibers and Polymers</i> , 2014, 15, 1175-1181.	1.1	3
50	High-performance asymmetric supercapacitors with lithium intercalation reaction using metal oxide-based composites as electrode materials. <i>Journal of Materials Chemistry A</i> , 2014, 2, 16678-16686.	5.2	106
51	Adsorption characteristic of copper ions and its application in electroless nickel plating on a hydrogel-functionalized poly(vinyl chloride) plastic. <i>Journal of Materials Science</i> , 2013, 48, 7224-7237.	1.7	10
52	Copper nanoparticles seeded functionalized PVC plastic surface for electroless nickel deposition. <i>Surface and Interface Analysis</i> , 2013, 45, 1899-1902.	0.8	3
53	Facile and rapid synthesis of highly crumpled graphene sheets as high-performance electrodes for supercapacitors. <i>RSC Advances</i> , 2013, 3, 2566.	1.7	50
54	Low temperature preparation and characterization of TiO <sub>2</sub> nanoparticles coated glass beads by heterogeneous nucleation method. <i>Materials Characterization</i> , 2013, 76, 39-47.	1.9	31

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55	A novel process of electroless nickel plating on PVC with semi-IPN hydrogel pretreatment. Journal of Alloys and Compounds, 2013, 557, 270-273.	2.8	14
56	Electroless plating of PVC plastic through new surface modification method applying a semi-IPN hydrogel film. Applied Surface Science, 2013, 277, 249-256.	3.1	24
57	Simulation of Propellant Muzzle Flow Field Based on Grid Technology. Applied Mechanics and Materials, 2013, 347-350, 3465-3468.	0.2	0
58	Structure and Property of Ce Conversion Coating on Magnesium Alloys. Advanced Materials Research, 2012, 616-618, 1819-1822.	0.3	0
59	Fabrication and electrochemical performances of hierarchical porous Ni(OH) <sub>2</sub> nanoflakes anchored on graphene sheets. Journal of Materials Chemistry, 2012, 22, 11494.	6.7	261
60	Advanced Asymmetric Supercapacitors Based on Ni(OH) <sub>2</sub> /Graphene and Porous Graphene Electrodes with High Energy Density. Advanced Functional Materials, 2012, 22, 2632-2641.	7.8	1,855
61	Preparation and characterization of nano TiO <sub>2</sub> /micron Cr <sub>2</sub> O <sub>3</sub> composite particles. Journal of Alloys and Compounds, 2011, 509, 5017-5019.	2.8	9
62	Asymmetric Supercapacitors Based on Graphene/MnO <sub>2</sub> and Activated Carbon Nanofiber Electrodes with High Power and Energy Density. Advanced Functional Materials, 2011, 21, 2366-2375.	7.8	1,827
63	Effect of chemical modification of graphite nanoplatelets on electrochemical performance of MnO <sub>2</sub> electrodes. Journal of Materials Science: Materials in Electronics, 2010, 21, 619-624.	1.1	8
64	Optimization of the Preparation Process of Nano-TiO <sub>2</sub> /Micro-Cu Composite Particles. Advanced Materials Research, 2010, 105-106, 492-494.	0.3	1
65	Research and Design of Extension Case Base Based on CBR. , 2009, , .		1
66	Preparation and Characterization of TiO <sub>2</sub> Nanoparticles / CNTs Composite Particles. Applied Mechanics and Materials, 0, 268-270, 172-175.	0.2	0
67	Surface Modification of Silicon Carbide Powder by Nano-TiO <sub>2</sub> and its Application in Wear-Resistant Coatings. Advanced Materials Research, 0, 452-453, 16-20.	0.3	0
68	Preparation and Characterization of TiO <sub>2</sub> Film on Glass Flake. Key Engineering Materials, 0, 537, 220-223.	0.4	0