

Tao Ding

List of Publications by Year in descending order

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60
papers

4,174
citations

172457

29
h-index

133252

59
g-index

60
all docs

60
docs citations

60
times ranked

5186
citing authors

#	ARTICLE	IF	CITATIONS
1	Electromagnetic Interference Shielding Polymers and Nanocomposites - A Review. <i>Polymer Reviews</i> , 2019, 59, 280-337.	10.9	512
2	Biomass-derived nitrogen-doped carbon quantum dots: highly selective fluorescent probe for detecting Fe ³⁺ ions and tetracyclines. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 332-341.	9.4	424
3	An overview of lead-free piezoelectric materials and devices. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12446-12467.	5.5	256
4	Polypyrrole-interface-functionalized nano-magnetite epoxy nanocomposites as electromagnetic wave absorbers with enhanced flame retardancy. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5334-5344.	5.5	242
5	Microwave solvothermal carboxymethyl chitosan templated synthesis of TiO ₂ /ZrO ₂ composites toward enhanced photocatalytic degradation of Rhodamine B. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 18-29.	9.4	231
6	Progress on the Photocatalytic Reduction Removal of Chromium Contamination. <i>Chemical Record</i> , 2019, 19, 873-882.	5.8	204
7	Flexible Sandwich Structural Strain Sensor Based on Silver Nanowires Decorated with Self-Healing Substrate. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900074.	3.6	187
8	Super light 3D hierarchical nanocellulose aerogel foam with superior oil adsorption. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 245-251.	9.4	175
9	Zinc oxide/vanadium pentoxide heterostructures with enhanced day-night antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 40-49.	9.4	159
10	Magnetic nanocellulose-magnetite aerogel for easy oil adsorption. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 849-856.	9.4	132
11	Iridium-Based Catalysts for Solid Polymer Electrolyte Electrocatalytic Water Splitting. <i>ChemSusChem</i> , 2019, 12, 1576-1590.	6.8	111
12	Anchoring carbon nanotubes and post-hydroxylation treatment enhanced Ni nanofiber catalysts towards efficient hydrous hydrazine decomposition for effective hydrogen generation. <i>Chemical Communications</i> , 2019, 55, 9011-9014.	4.1	107
13	Solvent-free graphene liquids: Promising candidates for lubricants without the base oil. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 159-167.	9.4	98
14	Synthesis and Characterization of ZnNi _n Layered Double Hydroxides Derived Mixed Metal Oxides with Highly Efficient Photoelectrocatalytic Activities. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 836-848.	3.7	91
15	Surface intercalated spherical MoS ₂ Se ₂ nanocatalysts for highly efficient and durable hydrogen evolution reactions. <i>Dalton Transactions</i> , 2019, 48, 8279-8287.	3.3	89
16	A polyether amine modified metal organic framework enhanced the CO ₂ adsorption capacity of room temperature porous liquids. <i>Chemical Communications</i> , 2019, 55, 13179-13182.	4.1	81
17	Carbon nitride nanoplatelet photocatalysts heterostructured with B-doped carbon nanodots for enhanced photodegradation of organic pollutants. <i>Journal of Colloid and Interface Science</i> , 2020, 559, 124-133.	9.4	79
18	Alternating Multilayer Structural Epoxy Composite Coating for Corrosion Protection of Steel. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900374.	3.6	71

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19	Boosted selectivity and enhanced capacity of As(V) removal from polluted water by triethylenetetramine activated lignin-based adsorbents. <i>International Journal of Biological Macromolecules</i> , 2019, 140, 1167-1174.	7.5	70
20	Structure and photoluminescence evolution of nanodots during pyrolysis of citric acid: from molecular nanoclusters to carbogenic nanoparticles. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10302-10312.	5.5	69
21	Synergistically Toughening Polyoxymethylene by Methyl Methacrylate-Butadiene-Styrene Copolymer and Thermoplastic Polyurethane. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800567.	2.2	67
22	A highly stretchable, sensing durability, transparent, and environmentally stable ion conducting hydrogel strain sensor built by interpenetrating Ca ²⁺ -SA and glycerol-PVA double physically cross-linked networks. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1712-1729.	21.1	57
23	Enhanced Solid Particle Erosion Properties of Thermoplastic Polyurethane/Carbon Nanotube Nanocomposites. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1900010.	3.6	53
24	Supramolecular interactions via hydrogen bonding contributing to citric-acid derived carbon dots with high quantum yield and sensitive photoluminescence. <i>RSC Advances</i> , 2017, 7, 20345-20353.	3.6	50
25	A novel phosphorous and silicon-containing benzoxazine: highly efficient multifunctional flame-retardant synergist for polyoxymethylene. <i>Advanced Composites and Hybrid Materials</i> , 2021, 4, 127-137.	21.1	46
26	Optimizing nanocarbon shell in zero-valent iron nanoparticles for improved electron utilization in Cr(VI) reduction. <i>Chemosphere</i> , 2020, 242, 125235.	8.2	42
27	Amphiphilic biodegradable poly(μ -caprolactone)-poly(ethylene glycol)-poly(μ -caprolactone) triblock copolymers: synthesis, characterization and their use as drug carriers for folic acid. <i>Polymer Bulletin</i> , 2010, 64, 537-551.	3.3	33
28	Research Progress in the Field of Adsorption and Catalytic Degradation of Sewage by Hydrotalcite-Derived Materials. <i>Chemical Record</i> , 2020, 20, 355-369.	5.8	32
29	Preparation of hexamethyl disilazane-surface functionalized nano-silica by controlling surface chemistry and its "agglomeration-collapse" behavior in solution polymerized styrene butadiene rubber/butadiene rubber composites. <i>Composites Science and Technology</i> , 2021, 201, 108482.	7.8	32
30	Effect of nano-silica surface-capped by bis[3-(triethoxysilyl)propyl] tetrasulfide on the mechanical properties of styrene-butadiene rubber/butadiene rubber nanocomposites. <i>Composites Communications</i> , 2018, 10, 190-193.	6.3	31
31	Synthesis of siloxane-containing benzoxazine and its synergistic effect on flame retardancy of polyoxymethylene. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2686-2694.	3.2	29
32	Photoinduced Iron-Catalyzed <i>ipso</i> -Nitration of Aryl Halides via Single-Electron Transfer. <i>ACS Catalysis</i> , 2021, 11, 9561-9568.	11.2	27
33	Base-mediated one-pot synthesis of 1,2,4-oxadiazoles from nitriles, aldehydes and hydroxylamine hydrochloride without addition of extra oxidant. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9814-9822.	2.8	25
34	Base-Mediated Synthesis of Unsymmetrical 1,3,5-Triazin-2-amines via Three-Component Reaction of Imidates, Guanidines, and Amides or Aldehydes. <i>Journal of Organic Chemistry</i> , 2017, 82, 10043-10050.	3.2	23
35	Shape memory properties of dynamically vulcanized poly(lactic acid)/nitrile butadiene rubber (PLA/NBR) thermoplastic vulcanizates: The effect of ACN content in NBR. <i>Polymers for Advanced Technologies</i> , 2018, 29, 2336-2343.	3.2	21
36	1,3-Dipolar Cycloaddition of Benzofuranone Derivatives and Azomethine Ylides Promoted by Simple Functional Ionic Liquids: Direct Access to Highly Substituted Pyrrolidine and Spirocyclic Benzofuranone. <i>ChemistrySelect</i> , 2016, 1, 4403-4407.	1.5	20

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37	Silane- ϵ -functional benzoxazine: synthesis, polymerization kinetics and thermal stability. <i>Polymer International</i> , 2017, 66, 908-915.	3.1	20
38	Insights into Fluorophores of Dual-Emissive Carbon Dots Derived by Naphthalenediol Solvothermal Synthesis. <i>Journal of Physical Chemistry C</i> , 2021, 125, 5207-5216.	3.1	18
39	Thio-Michael addition of α,β -unsaturated amides catalyzed by Nmm-based ionic liquids. <i>RSC Advances</i> , 2017, 7, 43104-43113.	3.6	17
40	One-step synthesis of monodisperse AuNPs@PANI composite nanospheres as recyclable catalysts for 4-nitrophenol reduction. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	13
41	Iron Nitrate-Mediated Selective Synthesis of 3-Acyl-1,2,4-oxadiazoles from Alkynes and Nitriles: The Dual Roles of Iron Nitrate. <i>Journal of Organic Chemistry</i> , 2020, 85, 4058-4066.	3.2	13
42	Purcell-Enhanced Spontaneous Emission from Perovskite Quantum Dots Coupled to Plasmonic Crystal. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25359-25365.	3.1	12
43	Effect of oxygen functionalities of graphene oxide on polymerization and thermal properties of reactive benzoxazine nanocomposites. <i>Macromolecular Research</i> , 2018, 26, 77-84.	2.4	11
44	Hydrothermally Synthesized $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Nanotubes Anode Material with Enhanced Li-Ion Battery Performances. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7387-7391.	0.9	11
45	Preparation of nano-silica loaded N -cyclohexyl-2-benzothiazole sulphonamide and its application in solution styrene-butadiene rubber/butadiene rubber composites. <i>Micro and Nano Letters</i> , 2017, 12, 949-954.	1.3	10
46	Vulcanization accelerator functionalized nanosilica: Effect on the reinforcement behavior of SSBR/BR. <i>Polymer Engineering and Science</i> , 2019, 59, 1270-1278.	3.1	10
47	Preparation and properties of novel fluorosilicone thermoplastic vulcanizate with cross-linking-controlled core-shell structure. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1036-1043.	3.2	10
48	Crystallization kinetics and morphology of dynamically vulcanized poly(vinylidene fluoride)/silicone rubber blends. <i>Polymer Bulletin</i> , 2020, 77, 671-686.	3.3	8
49	The effect of synergistic/inhibitory mechanism of terephthalic acid and glycerol on the puncture, tearing, and degradation properties of PBSeT copolyesters. <i>Advanced Composites and Hybrid Materials</i> , 2022, 5, 1335-1349.	21.1	8
50	Preparation of dispersible nanosilica surface-capped by hexamethyl disilazane via an <i>in situ</i> surface modification method and investigation of its effects on the mechanical properties of styrene-butadiene/butadiene rubber. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47763.	2.6	6
51	Polymer spacer tunable Purcell-enhanced spontaneous emission in perovskite quantum dots coupled to plasmonic nanowire networks. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22831-22838.	2.8	6
52	Synthesis and characterization of a novel biodegradable elastomer based on citric-acid-crosslinked polyesters. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 475-482.	2.1	5
53	Carbonization temperature controlled thermal conductivity of graphitic carbon nanoparticles and their polymer composites. <i>AIP Advances</i> , 2018, 8, 055332.	1.3	5
54	Influence of modified ammonium polyphosphate on the fire behavior and mechanical properties of polyformaldehyde. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50156.	2.6	5

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55	Application of carboxylated ethylene/vinyl acetate copolymer-modified nanosilica in tire tread rubber. Iranian Polymer Journal (English Edition), 2020, 29, 853-864.	2.4	4
56	Synthesis of tetrasubstituted 1H-indazolo[1,2-b]phthalazinedione derivatives bearing three-dimensional turbine-type structures via domino reaction of phthalhydrazide and vinylketones. RSC Advances, 2017, 7, 38733-38736.	3.6	2
57	Formability and hardness studies of selective laser melting of GH4169 Ni-based alloy powders. Emerging Materials Research, 2020, 9, 758-769.	0.7	2
58	Simultaneous Surface Modification and Chemical Reduction of Graphene Oxide Using Glucose. Journal of Nanoscience and Nanotechnology, 2018, 18, 3356-3361.	0.9	1
59	Influence of rhenium and tungsten on the microstructure and performance of GH4169 alloy through heat treatment. Emerging Materials Research, 2020, 9, 705-715.	0.7	1
60	Double-layer modified silica with potential reinforcement for solution polymerized styrene-butadiene rubber/butadiene rubber composite. Journal of Applied Polymer Science, 0, , 51959.	2.6	0