Jinglei Yang

List of Publications by Year
in descending order

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212 papers	9,905 citations	29994 54 h-index	45213 90 g-index
215 all docs	215 docs citations	215 times ranked	10091 citing authors

#	Article	IF	Citations
1	Force-induced activation of covalent bonds in mechanoresponsive polymeric materials. Nature, 2009, 459, 68-72.	13.7	1,446
2	Microencapsulation of Isocyanates for Self-Healing Polymers. Macromolecules, 2008, 41, 9650-9655.	2.2	412
3	Facile microencapsulation of HDI for self-healing anticorrosion coatings. Journal of Materials Chemistry, 2011, 21, 11123.	6.7	279
4	Energy performance of building envelopes integrated with phase change materials for cooling load reduction in tropical Singapore. Applied Energy, 2016, 162, 207-217.	5.1	268
5	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. Advanced Functional Materials, 2020, 30, 1910826.	7.8	223
6	Enhanced interphase between epoxy matrix and carbon fiber with carbon nanotube-modified silane coating. Composites Science and Technology, 2014, 99, 131-140.	3.8	165
7	Creep resistant polymeric nanocomposites. Polymer, 2004, 45, 3481-3485.	1.8	160
8	On the characterization of tensile creep resistance of polyamide 66 nanocomposites. Part II: Modeling and prediction of long-term performance. Polymer, 2006, 47, 6745-6758.	1.8	158
9	Synthesis of organic silane microcapsules for self-healing corrosion resistant polymer coatings. Corrosion Science, 2012, 65, 561-566.	3.0	152
10	Robust microcapsules with polyurea/silica hybrid shell for one-part self-healing anticorrosion coatings. Journal of Materials Chemistry A, 2014, 2, 11614-11620.	5.2	137
11	A Versatile Approach towards Multifunctional Robust Microcapsules with Tunable, Restorable, and Solventâ€Proof Superhydrophobicity for Selfâ€Healing and Selfâ€Cleaning Coatings. Advanced Functional Materials, 2014, 24, 6751-6761.	7.8	129
12	A novel reduced graphene oxide/Ag/CeO2 ternary nanocomposite: Green synthesis and catalytic properties. Applied Catalysis B: Environmental, 2014, 144, 454-461.	10.8	128
13	On the characterization of tensile creep resistance of polyamide 66 nanocomposites. Part I. Experimental results and general discussions. Polymer, 2006, 47, 2791-2801.	1.8	123
14	Double-layered reactive microcapsules with excellent thermal and non-polar solvent resistance for self-healing coatings. Journal of Materials Chemistry A, 2015, 3, 4435-4444.	5.2	119
15	Path-independent digital image correlation with high accuracy, speed and robustness. Optics and Lasers in Engineering, 2015, 65, 93-102.	2.0	110
16	Experimental investigation on the strain-rate effect and inertia effect of closed-cell aluminum foam subjected to dynamic loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 620, 253-261.	2.6	106
17	Chemically and thermally stable isocyanate microcapsules having good self-healing and self-lubricating performances. Chemical Engineering Journal, 2018, 346, 289-297.	6.6	104
18	Synthesis of graphene decorated with silver nanoparticles by simultaneous reduction of graphene oxide and silver ions with glucose. Carbon, 2013, 59, 93-99.	5.4	103

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19	Creep Resistant Polymer Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. Macromolecular Rapid Communications, 2007, 28, 955-961.	2.0	100
20	Cool colored coating and phase change materials as complementary cooling strategies for building cooling load reduction in tropics. Applied Energy, 2017, 190, 57-63.	5.1	100
21	Enhanced interphase between thermoplastic matrix and UHMWPE fiber sized with CNT-modified polydopamine coating. Composites Science and Technology, 2019, 174, 212-220.	3.8	97
22	Self-healing epoxy via epoxyâ€“amine chemistry in dual hollow glass bubbles. Composites Science and Technology, 2014, 94, 23-29.	3.8	93
23	Mechanical behaviors of Ti/CFRP/Ti laminates with different surface treatments of titanium sheets. Composite Structures, 2017, 163, 21-31.	3.1	93
24	Salt spray and EIS studies on HDI microcapsule-based self-healing anticorrosive coatings. Progress in Organic Coatings, 2014, 77, 168-175.	1.9	87
25	Microencapsulated phase change materials with composite titania-polyurea (TiO2-PUA) shell. Applied Energy, 2018, 215, 468-478.	5.1	85
26	Self-cleaning engineered cementitious composites. Cement and Concrete Composites, 2015, 64, 74-83.	4.6	82
27	Influence of fiber type on the impact response of titanium-based fiber-metal laminates. International Journal of Impact Engineering, 2018, 114, 32-42.	2.4	81
28	Mechanical properties and failure modes of hybrid fiber reinforced polymer composites with a novel liquid thermoplastic resin, EliumÂ®. Composites Part A: Applied Science and Manufacturing, 2019, 125, 105523.	3.8	79
29	Wear resistant epoxy composites with diisocyanate-based self-healing functionality. Wear, 2014, 313, 19-28.	1.5	78
30	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. Nano-Micro Letters, 2021, 13, 122.	14.4	74
31	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. ACS Applied Materials & Interfaces, 2018, 10, 6580-6592.	4.0	71
32	Mechanical and tribological properties of epoxy matrix composites modified with microencapsulated mixture of wax lubricant and multi-walled carbon nanotubes. Friction, 2013, 1, 341-349.	3.4	70
33	Surface microstructures and epoxy bonded shear strength of Ti6Al4V alloy anodized at various temperatures. Composites Science and Technology, 2013, 82, 15-22.	3.8	67
34	Application of timeâ€“stress superposition to nonlinear creep of polyamide 66 filled with nanoparticles of various sizes. Composites Science and Technology, 2007, 67, 2691-2698.	3.8	66
35	Surface modifications of Ti alloy with tunable hierarchical structures and chemistry for improved metalâ€“polymer interface used in deepwater composite riser. Applied Surface Science, 2015, 328, 614-622.	3.1	66
36	Multifunctional paraffin wax/carbon nanotube sponge composites with simultaneous high-efficient thermal management and electromagnetic interference shielding efficiencies for electronic devices. Composites Part B: Engineering, 2020, 199, 108308.	5.9	65

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37	Wear and friction of epoxy based nanocomposites with silica nanoparticles and wax-containing microcapsules. Composites Part A: Applied Science and Manufacturing, 2018, 107, 607-615.	3.8	63
38	A review on the hybrid titanium composite laminates (HTCLs) with focuses on surface treatments, fabrications, and mechanical properties. Composites Part A: Applied Science and Manufacturing, 2020, 128, 105679.	3.8	63
39	Port connectivity in a logistic network: The case of Bohai Bay, China. Transportation Research, Part E: Logistics and Transportation Review, 2016, 95, 341-354.	3.7	62
40	Tunable crack propagation behavior in carbon fiber reinforced plastic laminates with polydopamine and graphene oxide treated fibers. Materials and Design, 2017, 113, 68-75.	3.3	62
41	Novel onion-like graphene aerogel beads for efficient solar vapor generation under non-concentrated illumination. Journal of Materials Chemistry A, 2019, 7, 4400-4407.	5.2	62
42	In situ growth of hollow CuNi alloy nanoparticles on reduced graphene oxide nanosheets and their magnetic and catalytic properties. Applied Surface Science, 2014, 316, 575-581.	3.1	61
43	Temperature effects on the mechanical behavior of aluminum foam under dynamic loading. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 599, 174-179.	2.6	61
44	Water resistant reactive microcapsules for self-healing coatings in harsh environments. Polymer, 2016, 91, 33-40.	1.8	61
45	A Facile Strategy To Prepare Smart Coatings with Autonomous Self-Healing and Self-Reporting Functions. ACS Applied Materials & Interfaces, 2020, 12, 4870-4877.	4.0	61
46	Flexible temperature sensors made of aligned electrospun carbon nanofiber films with outstanding sensitivity and selectivity towards temperature. Materials Horizons, 2021, 8, 1488-1498.	6.4	61
47	The essential work of fracture of polyamide 66 filled with TiO nanoparticles. Composites Science and Technology, 2005, 65, 2374-2379.	3.8	60
48	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. Carbon, 2016, 98, 432-440.	5.4	60
49	Tribological performance of silicone composite coatings filled with wax-containing microcapsules. Wear, 2012, 296, 575-582.	1.5	59
50	A novel route for improving creep resistance of polymers using nanoparticles. Composites Science and Technology, 2007, 67, 2297-2302.	3.8	58
51	Graphene Oxide Modified Ag₂O Nanocomposites with Enhanced Photocatalytic Activity under Visibleâ€Light Irradiation. European Journal of Inorganic Chemistry, 2013, 2013, 6119-6125.	1.0	58
52	Tribological properties of short carbon fibers reinforced epoxy composites. Friction, 2014, 2, 226-239.	3.4	58
53	Temperature dependence of crack initiation fracture toughness of various nanoparticles filled polyamide 66. Polymer, 2006, 47, 679-689.	1.8	57
54	Label-free quantitative proteomic analysis reveals dysfunction of complement pathway in peripheral blood of schizophrenia patients: evidence for the immune hypothesis of schizophrenia. Molecular BioSystems, 2012, 8, 2664.	2.9	57

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55	Impact Behaviour of GLAREs with MWCNT Modified Epoxy Resins. Experimental Mechanics, 2014, 54, 83-93.	1.1	56
56	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. Materials Horizons, 2020, 7, 2378-2389.	6.4	56
57	Enhanced Mode I fracture toughness of UHMWPE fabric/thermoplastic laminates with combined surface treatments of polydopamine and functionalized carbon nanotubes. Composites Part B: Engineering, 2019, 178, 107450.	5.9	55
58	Long-term moisture effects on the interfacial shear strength between surface treated carbon fiber and epoxy matrix. Composites Part A: Applied Science and Manufacturing, 2015, 78, 311-317.	3.8	52
59	Graphene oxide beads for fast clean-up of hazardous chemicals. Journal of Materials Chemistry A, 2016, 4, 9437-9446.	5.2	51
60	Mechanochromic Fluorescent Polymers Enabled by AIE Processes. Macromolecular Rapid Communications, 2021, 42, e2000311.	2.0	49
61	Grafting Low Contents of Branched Polyethylenimine onto Carbon Fibers to Effectively Improve Their Interfacial Shear Strength with an Epoxy Matrix. Advanced Materials Interfaces, 2015, 2, 1500122.	1.9	48
62	Robust multifunctional microcapsules with antibacterial and anticorrosion features. Chemical Engineering Journal, 2019, 372, 496-508.	6.6	47
63	Skin-Inspired, Fully Autonomous Self-Warning and Self-Repairing Polymeric Material under Damaging Events. Chemistry of Materials, 2019, 31, 2611-2618.	3.2	47
64	Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. Scientific Reports, 2015, 5, 15013.	1.6	46
65	Etched glass bubbles as robust micro-containers for self-healing materials. Journal of Materials Chemistry A, 2013, 1, 12715-12720.	5.2	45
66	Creep-resistant behavior of MWCNT-polycarbonate melt spun nanocomposite fibers at elevated temperature. Polymer, 2013, 54, 3723-3729.	1.8	45
67	Tribological behaviors of binary and ternary epoxy composites functionalized with different microcapsules and reinforced by short carbon fibers. Wear, 2016, 350-351, 89-98.	1.5	45
68	Low-velocity impact behaviors of a fully thermoplastic composite laminate fabricated with an innovative acrylic resin. Composite Structures, 2020, 250, 112604.	3.1	45
69	Investigating the roles of fiber, resin, and stacking sequence on the low-velocity impact response of novel hybrid thermoplastic composites. Composites Part B: Engineering, 2021, 207, 108554.	5.9	44
70	The effect of strain rate and filler volume fraction on the mechanical properties of hollow glass microsphere modified polymer. Composites Part B: Engineering, 2016, 101, 53-63.	5.9	43
71	Graphene Oxide Aerogel Beads Filled with Phase Change Material for Latent Heat Storage and Release. ACS Applied Energy Materials, 2019, 2, 3657-3664.	2.5	42
72	On the metal thermoplastic composite interface of Ti alloy/UHMWPE-EliumÂ® laminates. Composites Part B: Engineering, 2020, 181, 107578.	5.9	40

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73	Novel CFD-based numerical schemes for conduction dominant encapsulated phase change materials (EPCM) with temperature hysteresis for thermal energy storage applications. Energy, 2017, 132, 31-40.	4.5	39
74	Fabrication and Release Behavior of Microcapsules with Double-Layered Shell Containing Clove Oil for Antibacterial Applications. ACS Applied Materials & Interfaces, 2018, 10, 15532-15541.	4.0	39
75	Dynamic plastic deformation and failure mechanisms of individual microcapsule and its polymeric composites. Journal of the Mechanics and Physics of Solids, 2020, 139, 103933.	2.3	38
76	Design of glass fiber reinforced plastics modified with CNT and pre-stretching fabric for potential sports instruments. Materials and Design, 2016, 92, 621-631.	3.3	37
77	Encapsulation of shear thickening fluid as an easy-to-apply impact-resistant material. Journal of Materials Chemistry A, 2017, 5, 22472-22479.	5.2	37
78	Improvement of impact-resistant property of glass fiber-reinforced composites by carbon nanotube-modified epoxy and pre-stretched fiber fabrics. Journal of Materials Science, 2015, 50, 5978-5992.	1.7	36
79	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. Journal of Materials Chemistry A, 2015, 3, 22043-22052.	5.2	36
80	Strengthening and failure mechanisms of individual carbon nanotube fibers under dynamic tensile loading. Carbon, 2016, 102, 18-31.	5.4	36
81	Self-Lubricating and Wear Resistant Epoxy Composites Incorporated With Microencapsulated Wax. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	35
82	Analysis of tunnel hydrodynamic characteristics for planing trimaran by model tests and numerical simulations. Ocean Engineering, 2016, 113, 101-110.	1.9	35
83	Improvement of the Mechanical Properties and Creep Resistance of SBS Block Copolymers by Nanoclay Fillers. Macromolecular Materials and Engineering, 2007, 292, 23-32.	1.7	34
84	Robust Microcapsules with Durable Superhydrophobicity and Superoleophilicity for Efficient Oilâ€“Water Separation. ACS Applied Materials & Interfaces, 2020, 12, 57547-57559.	4.0	34
85	Development of self-healing polymers via amineâ€“epoxy chemistry: I. Properties of healing agent carriers and the modelling of a two-part self-healing system. Smart Materials and Structures, 2014, 23, 065003.	1.8	33
86	Interlaminar fracture properties of surface treated Ti-CFRP hybrid composites under long-term hygrothermal conditions. Composites Part A: Applied Science and Manufacturing, 2017, 96, 9-17.	3.8	33
87	Rational Design of All Resistive Multifunctional Sensors with Stimulus Discriminability. Advanced Functional Materials, 2022, 32, .	7.8	33
88	Container port systems in China and the USA: a comparative study. Maritime Policy and Management, 2012, 39, 461-478.	1.9	32
89	Tuneable electrochromism in weavable carbon nanotube/polydiacetylene yarns. Carbon, 2016, 106, 110-117.	5.4	32
90	Direct microencapsulation of pure polyamine by integrating microfluidic emulsion and interfacial polymerization for practical self-healing materials. Journal of Materials Chemistry A, 2018, 6, 24092-24099.	5.2	32

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91	Cause and Effect Relationship between Changes in Scleral Matrix Metallopeptidase-2 Expression and Myopia Development in Mice. American Journal of Pathology, 2018, 188, 1754-1767.	1.9	32
92	Mechanical response of shear thickening fluid filled composite subjected to different strain rates. International Journal of Mechanical Sciences, 2021, 196, 106304.	3.6	32
93	Development of self-healing polymers via amineâ€“epoxy chemistry: II. Systematic evaluation of self-healing performance. Smart Materials and Structures, 2014, 23, 065004.	1.8	31
94	Impregnating epoxy into N-doped-CNTs@carbon aerogel to prepare high-performance microwave-absorbing composites with extra-low filler content. Composites Part A: Applied Science and Manufacturing, 2021, 140, 106159.	3.8	30
95	Effects of primer and annealing treatments on the shear strength between anodized Ti6Al4V and epoxy. International Journal of Adhesion and Adhesives, 2015, 57, 49-56.	1.4	29
96	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 10985-10994.	4.0	29
97	Experimental and numerical investigations on hydrodynamic and aerodynamic characteristics of the tunnel of planing trimaran. Applied Ocean Research, 2017, 63, 1-10.	1.8	29
98	On the dispersion systems of graphene-like two-dimensional materials: From fundamental laws to engineering guidelines. Carbon, 2016, 107, 774-782.	5.4	28
99	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. Scientific Reports, 2017, 7, 2777.	1.6	27
100	Robust Metallic Microcapsules: A Direct Path to New Multifunctional Materials. ACS Applied Materials & Interfaces, 2019, 11, 9621-9628.	4.0	27
101	Novel thermoplastic fiber metal laminates manufactured with an innovative acrylic resin at room temperature. Composites Part A: Applied Science and Manufacturing, 2020, 138, 106043.	3.8	27
102	Influence of UHMWPE fiber and Ti6Al4V metal surface treatments on the low-velocity impact behavior of thermoplastic fiber metal laminates. Advanced Composites and Hybrid Materials, 2020, 3, 508-521.	9.9	27
103	NMDA Receptor Hypofunction Induces Dysfunctions of Energy Metabolism And Semaphorin Signaling in Rats: A Synaptic Proteome Study. Schizophrenia Bulletin, 2012, 38, 579-591.	2.3	26
104	Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs. , 2018, 59, 4441.		26
105	Twist induced plasticity and failure mechanism of helical carbon nanotube fibers under different strain rates. International Journal of Plasticity, 2018, 110, 74-94.	4.1	26
106	Robust polyurea/poly(ureaâ€“formaldehyde) hybrid microcapsules decorated with Al2O3 nano-shell for improved self-healing performance. Applied Surface Science, 2021, 542, 148561.	3.1	26
107	Photopolymerization of Diacetylene on Aligned Multiwall Carbon Nanotube Microfibers for High-Performance Energy Devices. ACS Applied Materials & Interfaces, 2016, 8, 32643-32648.	4.0	25
108	Dynamic failure of basalt/epoxy laminates under blastâ€”Experimental observation. International Journal of Impact Engineering, 2017, 102, 16-26.	2.4	25

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109	Dopamine Imaging in Living Cells and Retina by Surface-Enhanced Raman Scattering Based on Functionalized Gold Nanoparticles. Analytical Chemistry, 2021, 93, 10841-10849.	3.2	25
110	Copper(II) Triflate Catalyzed Allylic Arylation of Allylic Alcohols: Direct and Selective Access to Câ€Allylanilines. ChemCatChem, 2013, 5, 3882-3888.	1.8	24
111	ZnNi alloy nanoparticles grown on reduced graphene oxide nanosheets and their magnetic and catalytic properties. RSC Advances, 2014, 4, 386-394.	1.7	24
112	Metabolomic Analysis Reveals Metabolic Disturbance in the Cortex and Hippocampus of Subchronic MK-801 Treated Rats. PLoS ONE, 2013, 8, e60598.	1.1	24
113	Recovery of Mode I self-healing interlaminar fracture toughness of fiber metal laminate by modified double cantilever beam test. Composites Communications, 2019, 16, 25-29.	3.3	23
114	Mechanical and Interfacial Properties Characterisation of Single Carbon Fibres for Composite Applications. Experimental Mechanics, 2015, 55, 1057-1065.	1.1	22
115	Optimization of shear thickening fluid encapsulation technique and dynamic response of encapsulated capsules and polymeric composite. Composites Science and Technology, 2019, 170, 165-173.	3.8	22
116	Bioinspired Nacre-like GO-based bulk with easy scale-up process and outstanding mechanical properties. Composites Part A: Applied Science and Manufacturing, 2020, 132, 105829.	3.8	22
117	MITF protects against oxidative damage-induced retinal degeneration by regulating the NRF2 pathway in the retinal pigment epithelium. Redox Biology, 2020, 34, 101537.	3.9	22
118	Preparation of fully stabilized cubic-leucite composite through heat-treating Cs-substituted K-geopolymer composite at high temperatures. Composites Science and Technology, 2015, 107, 44-53.	3.8	21
119	Analyzing the spatialâ€“temporal evolution of a gatewayâ€™s hinterland: A case study of Shanghai, China. Transportation Research, Part E: Logistics and Transportation Review, 2016, 95, 355-367.	3.7	21
120	Short Carbon Fiber-Reinforced Epoxy Tribomaterials Self-Lubricated by Wax Containing Microcapsules. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	20
121	Healing mechanisms induced by synergy of Graphene-CNTs and microwave focusing effect for the thermoplastic polyurethane composites. Composites Part A: Applied Science and Manufacturing, 2018, 106, 34-41.	3.8	20
122	In-situ growth of Cu nanoparticles on reduced graphene oxide nanosheets and their excellent catalytic performance. Ceramics International, 2015, 41, 4056-4063.	2.3	18
123	Response of aluminum corrugated sandwich panels under foam projectile impact â€“ Experiment and numerical simulation. Journal of Sandwich Structures and Materials, 2017, 19, 595-615.	2.0	18
124	Robust and impermeable metal shell microcapsules for one-component self-healing coatings. Applied Surface Science, 2021, 546, 149114.	3.1	18
125	Interfacial and Glass Transition Properties of Surface-Treated Carbon Fiber Reinforced Polymer Composites under Hygrothermal Conditions. Engineered Science, 2018, , .	1.2	18
126	Energy Absorption Mechanisms of Modified Double-Aluminum Layers Under Low-Velocity Impact. International Journal of Applied Mechanics, 2015, 07, 1550086.	1.3	17

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127	Flexible electrochromic materials based on CNT/PDA hybrids. Advances in Colloid and Interface Science, 2018, 258, 21-35.	7.0	17
128	A fast machine learning-based mask printability predictor for OPC acceleration. , 2019, , .		17
129	Low-velocity impact behavior of UHMWPE fabric/thermoplastic laminates with combined surface treatments of polydopamine and functionalized carbon nanotubes. Composites Communications, 2020, 22, 100527.	3.3	17
130	Long-term performance of 1H, 1Hâ€², 2H, 2Hâ€²-perfluorooctyl triethoxysilane (POTS) microcapsule-based self-healing anticorrosive coatings. Journal of Intelligent Material Systems and Structures, 2014, 25, 98-106.	1.4	16
131	Large-sized graphene oxide as bonding agent for the liquid extrusion of nanoparticle aerogels. Carbon, 2018, 136, 196-203.	5.4	16
132	A deep learning approach for efficient topology optimization based on the element removal strategy. Materials and Design, 2021, 212, 110179.	3.3	16
133	Polyvinylpyrrolidone-stabilized magnetic nickel nanochains for cancer hyperthermia and catalysis applications. RSC Advances, 2015, 5, 22965-22971.	1.7	15
134	Effects of nano-silica contents on the properties of epoxy nanocomposites and Ti-epoxy assembles. Composites Science and Technology, 2016, 129, 46-52.	3.8	15
135	Interdigitated Three-Dimensional Heterogeneous Nanocomposites for High-Performance Mechanochromic Smart Membranes. ACS Nano, 2022, 16, 68-77.	7.3	15
136	Differential expression profiling of the synaptosome proteome in a rat model of antipsychotic resistance. Brain Research, 2009, 1295, 170-178.	1.1	14
137	Enhanced fracture toughness of carbon fabric/epoxy laminates with pristine and functionalized stacked-cup carbon nanofibers. Engineering Fracture Mechanics, 2015, 148, 73-81.	2.0	14
138	Port choice strategies for container carriers in China: a case study of the Bohai Bay Rim port cluster. International Journal of Shipping and Transport Logistics, 2016, 8, 129.	0.2	14
139	Numerical techniques to model conduction dominant phase change systems: A CFD approach and validation with DSC curve. Energy and Buildings, 2016, 118, 240-248.	3.1	14
140	Thermomechanical performance of cheetah skin carbon nanotube embedded composite: Isothermal and non-isothermal investigation. Polymer, 2018, 145, 294-309.	1.8	14
141	Retinal Dopamine D2 Receptors Participate in the Development of Myopia in Mice. , 2022, 63, 24.		14
142	Fabrication and characterization of mini alumina ceramic turbine rotor using a tailored gelcasting process. Ceramics International, 2014, 40, 7711-7722.	2.3	13
143	Improved chemical stability of silver by selective distribution of silver particles on reduced graphene oxide nanosheets. RSC Advances, 2015, 5, 49257-49262.	1.7	13
144	KIT ligand protects against both light-induced and genetic photoreceptor degeneration. ELife, 2020, 9, .	2.8	13

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145	A deep learning-based composite design strategy for efficient selection of material and layup sequences from a given database. Composites Science and Technology, 2022, 230, 109154.	3.8	13
146	Resistance to time-dependent deformation of nanoparticle/polymer composites. Applied Physics Letters, 2007, 91, .	1.5	12
147	Proteome alterations of cortex and hippocampus tissues in mice subjected to vitamin A depletion. Journal of Nutritional Biochemistry, 2011, 22, 1003-1008.	1.9	12
148	Platelet-like nickel hydroxide: Synthesis and the transferring to nickel oxide as a gas sensor. Journal of Colloid and Interface Science, 2013, 412, 100-106.	5.0	12
149	Multifunctional Alumina Composites with Toughening and Crackâ€Healing Features Via Incorporation of NiAl Particles. Journal of the American Ceramic Society, 2015, 98, 1618-1625.	1.9	12
150	On the study of electrochromism in multiwalled carbon nanotubeâ€“polydiacetylene composites. Carbon, 2015, 90, 222-230.	5.4	12
151	A comparison of thermoplastic polyurethane incorporated with graphene oxide and thermally reduced graphene oxide: Reduction is not always necessary. Journal of Applied Polymer Science, 2019, 136, 47745.	1.3	12
152	Holey, anti-impact and resilient thermoplastic urethane/carbon nanotubes fabricated by a low-cost â€œvapor induced phase separationâ€•strategy for the detection of human motions. Composites Part A: Applied Science and Manufacturing, 2020, 136, 105974.	3.8	12
153	Reduced graphene oxide/CoSe2 nanocomposites: hydrothermal synthesis and their enhanced electrocatalytic activity. Journal of Materials Science, 2013, 48, 7913-7919.	1.7	11
154	Developing thermoplastic hybrid titanium composite laminates (HTCLS) at room temperature: Low-velocity impact analyses. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106552.	3.8	11
155	Eco-friendly synthesis of ferric ion-polyphenol-graphene aerogel for solar steam generation. Materials Letters, 2022, 313, 131738.	1.3	11
156	Catalytic pyrolysis of film waste over Co/Ni pillared montmorillonites towards H2 production. Chemosphere, 2022, 299, 134440.	4.2	11
157	RANSE simulation of high-speed planning craft in regular waves. Journal of Marine Science and Application, 2012, 11, 447-452.	0.7	10
158	Comparison study of fabrication of ceramic rotor using various manufacturing methods. Ceramics International, 2014, 40, 12493-12502.	2.3	10
159	Finite element study of energy absorption foams for headgear in football (soccer) games. Materials and Design, 2015, 88, 162-169.	3.3	10
160	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. Nanoscale, 2016, 8, 8547-8552.	2.8	10
161	Rate dependent behaviors of nickel-based microcapsules. Applied Physics Letters, 2018, 112, 221905.	1.5	10
162	Ecofriendly Microencapsulated Phase-Change Materials with Hybrid Core Materials for Thermal Energy Storage and Flame Retardancy. Langmuir, 2021, 37, 6380-6387.	1.6	10

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163	Effective combination of modeling and experimental data with deep metric learning for guided wave-based damage localization in plates. Mechanical Systems and Signal Processing, 2022, 172, 108979.	4.4	10
164	Prostaglandin F2Î± Receptor Modulation Affects Eye Development in Guinea Pigs. Basic and Clinical Pharmacology and Toxicology, 2018, 123, 263-270.	1.2	9
165	Shell Formation Mechanism for Direct Microencapsulation of Nonequilibrium Pure Polyamine Droplet. Journal of Physical Chemistry C, 2019, 123, 22413-22423.	1.5	9
166	Increasing ionic conductivity in Li0.33La0.56TiO3 thin-films via optimization of processing atmosphere and temperature. Rare Metals, 2022, 41, 179-188.	3.6	9
167	A role of color vision in emmetropization in C57BL/6J mice. Scientific Reports, 2020, 10, 14895.	1.6	8
168	Thermally conductive silicone composites modified by graphene-oxide aerogel beads loaded with phase change materials as efficient heat sinks. Applied Thermal Engineering, 2021, 189, 116713.	3.0	8
169	An even-load-distribution design for composite bolted joints using a novel circuit model and neural network. Composite Structures, 2022, 279, 114709.	3.1	8
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