

Jinglei Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

203
papers

7,290
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45
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78
g-index

215
ext. papers

8,553
ext. citations

6.9
avg, IF

6.4
L-index

#	Paper	IF	Citations
203	Force-induced activation of covalent bonds in mechanoresponsive polymeric materials. <i>Nature</i> , 2009 , 459, 68-72	50.4	1211
202	Microencapsulation of Isocyanates for Self-Healing Polymers. <i>Macromolecules</i> , 2008 , 41, 9650-9655	5.5	358
201	Facile microencapsulation of HDI for self-healing anticorrosion coatings. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11123		249
200	Energy performance of building envelopes integrated with phase change materials for cooling load reduction in tropical Singapore. <i>Applied Energy</i> , 2016 , 162, 207-217	10.7	195
199	Synthesis of organic silane microcapsules for self-healing corrosion resistant polymer coatings. <i>Corrosion Science</i> , 2012 , 65, 561-566	6.8	137
198	Enhanced interphase between epoxy matrix and carbon fiber with carbon nanotube-modified silane coating. <i>Composites Science and Technology</i> , 2014 , 99, 131-140	8.6	136
197	Creep resistant polymeric nanocomposites. <i>Polymer</i> , 2004 , 45, 3481-3485	3.9	132
196	On the characterization of tensile creep resistance of polyamide 66 nanocomposites. Part II: Modeling and prediction of long-term performance. <i>Polymer</i> , 2006 , 47, 6745-6758	3.9	126
195	A Versatile Approach towards Multifunctional Robust Microcapsules with Tunable, Restorable, and Solvent-Proof Superhydrophobicity for Self-Healing and Self-Cleaning Coatings. <i>Advanced Functional Materials</i> , 2014 , 24, 6751-6761	15.6	116
194	Robust microcapsules with polyurea/silica hybrid shell for one-part self-healing anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11614-11620	13	116
193	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. <i>Advanced Functional Materials</i> , 2020 , 30, 1910826	15.6	111
192	A novel reduced graphene oxide/Ag/CeO ₂ ternary nanocomposite: Green synthesis and catalytic properties. <i>Applied Catalysis B: Environmental</i> , 2014 , 144, 454-461	21.8	108
191	On the characterization of tensile creep resistance of polyamide 66 nanocomposites. Part I. Experimental results and general discussions. <i>Polymer</i> , 2006 , 47, 2791-2801	3.9	105
190	Double-layered reactive microcapsules with excellent thermal and non-polar solvent resistance for self-healing coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4435-4444	13	100
189	Synthesis of graphene decorated with silver nanoparticles by simultaneous reduction of graphene oxide and silver ions with glucose. <i>Carbon</i> , 2013 , 59, 93-99	10.4	91
188	Experimental investigation on the strain-rate effect and inertia effect of closed-cell aluminum foam subjected to dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 620, 253-261	5.3	87
187	Creep Resistant Polymer Nanocomposites Reinforced with Multiwalled Carbon Nanotubes. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 955-961	4.8	82

186	Self-healing epoxy via epoxy-amine chemistry in dual hollow glass bubbles. <i>Composites Science and Technology</i> , 2014 , 94, 23-29	8.6	80
185	Path-independent digital image correlation with high accuracy, speed and robustness. <i>Optics and Lasers in Engineering</i> , 2015 , 65, 93-102	4.6	78
184	Salt spray and EIS studies on HDI microcapsule-based self-healing anticorrosive coatings. <i>Progress in Organic Coatings</i> , 2014 , 77, 168-175	4.8	74
183	Chemically and thermally stable isocyanate microcapsules having good self-healing and self-lubricating performances. <i>Chemical Engineering Journal</i> , 2018 , 346, 289-297	14.7	72
182	Cool colored coating and phase change materials as complementary cooling strategies for building cooling load reduction in tropics. <i>Applied Energy</i> , 2017 , 190, 57-63	10.7	68
181	Mechanical behaviors of Ti/CFRP/Ti laminates with different surface treatments of titanium sheets. <i>Composite Structures</i> , 2017 , 163, 21-31	5.3	63
180	Wear resistant epoxy composites with diisocyanate-based self-healing functionality. <i>Wear</i> , 2014 , 313, 19-28	3.5	62
179	Application of time-stress superposition to nonlinear creep of polyamide 66 filled with nanoparticles of various sizes. <i>Composites Science and Technology</i> , 2007 , 67, 2691-2698	8.6	59
178	The essential work of fracture of polyamide 66 filled with TiO nanoparticles. <i>Composites Science and Technology</i> , 2005 , 65, 2374-2379	8.6	56
177	Self-cleaning engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2015 , 64, 74-83	8.6	54
176	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6580-6592	9.5	54
175	Mechanical and tribological properties of epoxy matrix composites modified with microencapsulated mixture of wax lubricant and multi-walled carbon nanotubes. <i>Friction</i> , 2013 , 1, 341-349	5.6	54
174	Microencapsulated phase change materials with composite titania-polyurea (TiO ₂ -PUA) shell. <i>Applied Energy</i> , 2018 , 215, 468-478	10.7	52
173	Enhanced interphase between thermoplastic matrix and UHMWPE fiber sized with CNT-modified polydopamine coating. <i>Composites Science and Technology</i> , 2019 , 174, 212-220	8.6	51
172	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. <i>Carbon</i> , 2016 , 98, 432-440	10.4	51
171	Temperature dependence of crack initiation fracture toughness of various nanoparticles filled polyamide 66. <i>Polymer</i> , 2006 , 47, 679-689	3.9	50
170	Influence of fiber type on the impact response of titanium-based fiber-metal laminates. <i>International Journal of Impact Engineering</i> , 2018 , 114, 32-42	4	50
169	Novel onion-like graphene aerogel beads for efficient solar vapor generation under non-concentrated illumination. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4400-4407	13	49

168	Water resistant reactive microcapsules for self-healing coatings in harsh environments. <i>Polymer</i> , 2016 , 91, 33-40	3.9	49
167	Graphene Oxide Modified Ag ₂ O Nanocomposites with Enhanced Photocatalytic Activity under Visible-Light Irradiation. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 6119-6125	2.3	49
166	Mechanical properties and failure modes of hybrid fiber reinforced polymer composites with a novel liquid thermoplastic resin, Elium [®] . <i>Composites Part A: Applied Science and Manufacturing</i> , 2019 , 125, 105523	8.4	48
165	Tribological performance of silicone composite coatings filled with wax-containing microcapsules. <i>Wear</i> , 2012 , 296, 575-582	3.5	48
164	A novel route for improving creep resistance of polymers using nanoparticles. <i>Composites Science and Technology</i> , 2007 , 67, 2297-2302	8.6	48
163	Temperature effects on the mechanical behavior of aluminum foam under dynamic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 599, 174-179	5.3	47
162	Surface microstructures and epoxy bonded shear strength of Ti6Al4V alloy anodized at various temperatures. <i>Composites Science and Technology</i> , 2013 , 82, 15-22	8.6	47
161	Label-free quantitative proteomic analysis reveals dysfunction of complement pathway in peripheral blood of schizophrenia patients: evidence for the immune hypothesis of schizophrenia. <i>Molecular BioSystems</i> , 2012 , 8, 2664-71		47
160	In situ growth of hollow CuNi alloy nanoparticles on reduced graphene oxide nanosheets and their magnetic and catalytic properties. <i>Applied Surface Science</i> , 2014 , 316, 575-581	6.7	46
159	Tunable crack propagation behavior in carbon fiber reinforced plastic laminates with polydopamine and graphene oxide treated fibers. <i>Materials and Design</i> , 2017 , 113, 68-75	8.1	46
158	Surface modifications of Ti alloy with tunable hierarchical structures and chemistry for improved metal/polymer interface used in deepwater composite riser. <i>Applied Surface Science</i> , 2015 , 328, 614-622	6.7	45
157	Impact Behaviour of GLAREs with MWCNT Modified Epoxy Resins. <i>Experimental Mechanics</i> , 2014 , 54, 83-93	2.6	44
156	Grafting Low Contents of Branched Polyethylenimine onto Carbon Fibers to Effectively Improve Their Interfacial Shear Strength with an Epoxy Matrix. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500122	4.6	41
155	Wear and friction of epoxy based nanocomposites with silica nanoparticles and wax-containing microcapsules. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 107, 607-615	8.4	40
154	Graphene oxide beads for fast clean-up of hazardous chemicals. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9437-9446	13	40
153	Tribological properties of short carbon fibers reinforced epoxy composites. <i>Friction</i> , 2014 , 2, 226-239	5.6	40
152	Etched glass bubbles as robust micro-containers for self-healing materials. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 12715-12720	13	40
151	Creep-resistant behavior of MWCNT-polycarbonate melt spun nanocomposite fibers at elevated temperature. <i>Polymer</i> , 2013 , 54, 3723-3729	3.9	40

150	Port connectivity in a logistic network: The case of Bohai Bay, China. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 95, 341-354	9	39
149	Enhanced Mode I fracture toughness of UHMWPE fabric/thermoplastic laminates with combined surface treatments of polydopamine and functionalized carbon nanotubes. <i>Composites Part B: Engineering</i> , 2019 , 178, 107450	10	37
148	Long-term moisture effects on the interfacial shear strength between surface treated carbon fiber and epoxy matrix. <i>Composites Part A: Applied Science and Manufacturing</i> , 2015 , 78, 311-317	8.4	36
147	A review on the hybrid titanium composite laminates (HTCLs) with focuses on surface treatments, fabrications, and mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 128, 105679	8.4	35
146	Tribological behaviors of binary and ternary epoxy composites functionalized with different microcapsules and reinforced by short carbon fibers. <i>Wear</i> , 2016 , 350-351, 89-98	3.5	34
145	A Facile Strategy To Prepare Smart Coatings with Autonomous Self-Healing and Self-Reporting Functions. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4870-4877	9.5	34
144	Graphene Oxide Aerogel Beads Filled with Phase Change Material for Latent Heat Storage and Release. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3657-3664	6.1	33
143	Binary metal sulfides and polypyrrole on vertically aligned carbon nanotube arrays/carbon fiber paper as high-performance electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 22043-22052	13	33
142	Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. <i>Scientific Reports</i> , 2015 , 5, 15013	4.9	33
141	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. <i>Materials Horizons</i> , 2020 , 7, 2378-2389	14.4	30
140	Skin-Inspired, Fully Autonomous Self-Warning and Self-Repairing Polymeric Material under Damaging Events. <i>Chemistry of Materials</i> , 2019 , 31, 2611-2618	9.6	29
139	Design of glass fiber reinforced plastics modified with CNT and pre-stretching fabric for potential sports instruments. <i>Materials and Design</i> , 2016 , 92, 621-631	8.1	29
138	Development of self-healing polymers via amine-epoxy chemistry: I. Properties of healing agent carriers and the modelling of a two-part self-healing system. <i>Smart Materials and Structures</i> , 2014 , 23, 065003	3.4	29
137	Encapsulation of shear thickening fluid as an easy-to-apply impact-resistant material. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 22472-22479	13	29
136	The effect of strain rate and filler volume fraction on the mechanical properties of hollow glass microsphere modified polymer. <i>Composites Part B: Engineering</i> , 2016 , 101, 53-63	10	29
135	Improvement of impact-resistant property of glass fiber-reinforced composites by carbon nanotube-modified epoxy and pre-stretched fiber fabrics. <i>Journal of Materials Science</i> , 2015 , 50, 5978-5992	4.3	28
134	Analysis of tunnel hydrodynamic characteristics for planing trimaran by model tests and numerical simulations. <i>Ocean Engineering</i> , 2016 , 113, 101-110	3.9	28
133	Improvement of the Mechanical Properties and Creep Resistance of SBS Block Copolymers by Nanoclay Fillers. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 23-32	3.9	28

132	Novel CFD-based numerical schemes for conduction dominant encapsulated phase change materials (EPCM) with temperature hysteresis for thermal energy storage applications. <i>Energy</i> , 2017 , 132, 31-40	7.9	27
131	Low-velocity impact behaviors of a fully thermoplastic composite laminate fabricated with an innovative acrylic resin. <i>Composite Structures</i> , 2020 , 250, 112604	5.3	27
130	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10985-94	9.5	27
129	Effects of primer and annealing treatments on the shear strength between anodized Ti6Al4V and epoxy. <i>International Journal of Adhesion and Adhesives</i> , 2015 , 57, 49-56	3.4	26
128	Strengthening and failure mechanisms of individual carbon nanotube fibers under dynamic tensile loading. <i>Carbon</i> , 2016 , 102, 18-31	10.4	26
127	Self-Lubricating and Wear Resistant Epoxy Composites Incorporated With Microencapsulated Wax. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	26
126	Container port systems in China and the USA: a comparative study. <i>Maritime Policy and Management</i> , 2012 , 39, 461-478	2.5	26
125	Robust multifunctional microcapsules with antibacterial and anticorrosion features. <i>Chemical Engineering Journal</i> , 2019 , 372, 496-508	14.7	24
124	Tuneable electrochromism in weavable carbon nanotube/polydiacetylene yarns. <i>Carbon</i> , 2016 , 106, 110-117	10.4	24
123	On the dispersion systems of graphene-like two-dimensional materials: From fundamental laws to engineering guidelines. <i>Carbon</i> , 2016 , 107, 774-782	10.4	24
122	On the metal thermoplastic composite interface of Ti alloy/UHMWPE-Elium \square laminates. <i>Composites Part B: Engineering</i> , 2020 , 181, 107578	10	24
121	Development of self-healing polymers via amine-epoxy chemistry: II. Systematic evaluation of self-healing performance. <i>Smart Materials and Structures</i> , 2014 , 23, 065004	3.4	23
120	Mechanochromic Fluorescent Polymers Enabled by AIE Processes. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000311	4.8	23
119	Direct microencapsulation of pure polyamine by integrating microfluidic emulsion and interfacial polymerization for practical self-healing materials. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24092-24099	13	23
118	Interlaminar fracture properties of surface treated Ti-CFRP hybrid composites under long-term hygrothermal conditions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017 , 96, 9-17	8.4	22
117	NMDA receptor hypofunction induces dysfunctions of energy metabolism and semaphorin signaling in rats: a synaptic proteome study. <i>Schizophrenia Bulletin</i> , 2012 , 38, 579-91	1.3	22
116	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. <i>Nano-Micro Letters</i> , 2021 , 13, 122	19.5	22
115	Flexible temperature sensors made of aligned electrospun carbon nanofiber films with outstanding sensitivity and selectivity towards temperature. <i>Materials Horizons</i> , 2021 , 8, 1488-1498	14.4	22

114	Fabrication and Release Behavior of Microcapsules with Double-Layered Shell Containing Clove Oil for Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 15532-15541	9.5	21
113	Photopolymerization of Diacetylene on Aligned Multiwall Carbon Nanotube Microfibers for High-Performance Energy Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32643-32648	9.5	21
112	ZnNi alloy nanoparticles grown on reduced graphene oxide nanosheets and their magnetic and catalytic properties. <i>RSC Advances</i> , 2014 , 4, 386-394	3.7	21
111	Copper(II) Triflate Catalyzed Allylic Arylation of Allylic Alcohols: Direct and Selective Access to C-Allylanilines. <i>ChemCatChem</i> , 2013 , 5, 3882-3888	5.2	21
110	Metabolomic analysis reveals metabolic disturbance in the cortex and hippocampus of subchronic MK-801 treated rats. <i>PLoS ONE</i> , 2013 , 8, e60598	3.7	21
109	Experimental and numerical investigations on hydrodynamic and aerodynamic characteristics of the tunnel of planing trimaran. <i>Applied Ocean Research</i> , 2017 , 63, 1-10	3.4	20
108	Multifunctional paraffin wax/carbon nanotube sponge composites with simultaneous high-efficient thermal management and electromagnetic interference shielding efficiencies for electronic devices. <i>Composites Part B: Engineering</i> , 2020 , 199, 108308	10	20
107	Dynamic failure of basalt/epoxy laminates under blast Experimental observation. <i>International Journal of Impact Engineering</i> , 2017 , 102, 16-26	4	19
106	Short Carbon Fiber-Reinforced Epoxy Tribomaterials Self-Lubricated by Wax Containing Microcapsules. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	19
105	Investigating the roles of fiber, resin, and stacking sequence on the low-velocity impact response of novel hybrid thermoplastic composites. <i>Composites Part B: Engineering</i> , 2021 , 207, 108554	10	19
104	Mechanical and Interfacial Properties Characterisation of Single Carbon Fibres for Composite Applications. <i>Experimental Mechanics</i> , 2015 , 55, 1057-1065	2.6	18
103	Robust Microcapsules with Durable Superhydrophobicity and Superoleophilicity for Efficient Oil-Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 57547-57559	9.5	18
102	Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs 2018 , 59, 4441-4448		18
101	Robust Metallic Microcapsules: A Direct Path to New Multifunctional Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9621-9628	9.5	17
100	Influence of UHMWPE fiber and Ti6Al4V metal surface treatments on the low-velocity impact behavior of thermoplastic fiber metal laminates. <i>Advanced Composites and Hybrid Materials</i> , 2020 , 3, 508-521	8.7	17
99	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. <i>Scientific Reports</i> , 2017 , 7, 2777	4.9	17
98	Preparation of fully stabilized cubic-leucite composite through heat-treating Cs-substituted K-geopolymer composite at high temperatures. <i>Composites Science and Technology</i> , 2015 , 107, 44-53	8.6	16
97	Twist induced plasticity and failure mechanism of helical carbon nanotube fibers under different strain rates. <i>International Journal of Plasticity</i> , 2018 , 110, 74-94	7.6	16

96	Recovery of Mode I self-healing interlaminar fracture toughness of fiber metal laminate by modified double cantilever beam test. <i>Composites Communications</i> , 2019 , 16, 25-29	6.7	16
95	In-situ growth of Cu nanoparticles on reduced graphene oxide nanosheets and their excellent catalytic performance. <i>Ceramics International</i> , 2015 , 41, 4056-4063	5.1	16
94	Long-term performance of 1H, 1H?, 2H, 2H?-perfluorooctyl triethoxysilane (POTS) microcapsule-based self-healing anticorrosive coatings. <i>Journal of Intelligent Material Systems and Structures</i> , 2014 , 25, 98-106	2.3	15
93	Cause and Effect Relationship between Changes in Scleral Matrix Metalloproteinase-2 Expression and Myopia Development in Mice. <i>American Journal of Pathology</i> , 2018 , 188, 1754-1767	5.8	15
92	Response of aluminum corrugated sandwich panels under foam projectile impact [Experiment and numerical simulation]. <i>Journal of Sandwich Structures and Materials</i> , 2017 , 19, 595-615	2.1	14
91	Energy Absorption Mechanisms of Modified Double-Aluminum Layers Under Low-Velocity Impact. <i>International Journal of Applied Mechanics</i> , 2015 , 07, 1550086	2.4	14
90	Interfacial and Glass Transition Properties of Surface-Treated Carbon Fiber Reinforced Polymer Composites under Hygrothermal Conditions. <i>Engineered Science</i> , 2018 ,	3.8	14
89	Analyzing the spatial-temporal evolution of a gateway hinterland: A case study of Shanghai, China. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 95, 355-367	9	14
88	Dynamic plastic deformation and failure mechanisms of individual microcapsule and its polymeric composites. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 139, 103933	5	13
87	Bioinspired Nacre-like GO-based bulk with easy scale-up process and outstanding mechanical properties. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 132, 105829	8.4	13
86	Numerical techniques to model conduction dominant phase change systems: A CFD approach and validation with DSC curve. <i>Energy and Buildings</i> , 2016 , 118, 240-248	7	13
85	Flexible electrochromic materials based on CNT/PDA hybrids. <i>Advances in Colloid and Interface Science</i> , 2018 , 258, 21-35	14.3	13
84	Polyvinylpyrrolidone-stabilized magnetic nickel nanochains for cancer hyperthermia and catalysis applications. <i>RSC Advances</i> , 2015 , 5, 22965-22971	3.7	13
83	Novel thermoplastic fiber metal laminates manufactured with an innovative acrylic resin at room temperature. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 138, 106043	8.4	13
82	Enhanced fracture toughness of carbon fabric/epoxy laminates with pristine and functionalized stacked-cup carbon nanofibers. <i>Engineering Fracture Mechanics</i> , 2015 , 148, 73-81	4.2	12
81	Effects of nano-silica contents on the properties of epoxy nanocomposites and Ti-epoxy assemblies. <i>Composites Science and Technology</i> , 2016 , 129, 46-52	8.6	12
80	Proteome alterations of cortex and hippocampus tissues in mice subjected to vitamin A depletion. <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 1003-8	6.3	12
79	Resistance to time-dependent deformation of nanoparticle/polymer composites. <i>Applied Physics Letters</i> , 2007 , 91, 011901	3.4	12

78	Optimization of shear thickening fluid encapsulation technique and dynamic response of encapsulated capsules and polymeric composite. <i>Composites Science and Technology</i> , 2019 , 170, 165-173	8.6	12
77	Large-sized graphene oxide as bonding agent for the liquid extrusion of nanoparticle aerogels. <i>Carbon</i> , 2018 , 136, 196-203	10.4	11
76	Platelet-like nickel hydroxide: synthesis and the transferring to nickel oxide as a gas sensor. <i>Journal of Colloid and Interface Science</i> , 2013 , 412, 100-6	9.3	11
75	Improved chemical stability of silver by selective distribution of silver particles on reduced graphene oxide nanosheets. <i>RSC Advances</i> , 2015 , 5, 49257-49262	3.7	11
74	Differential expression profiling of the synaptosome proteome in a rat model of antipsychotic resistance. <i>Brain Research</i> , 2009 , 1295, 170-8	3.7	11
73	A fast machine learning-based mask printability predictor for OPC acceleration 2019 ,		10
72	On the study of electrochromism in multiwalled carbon nanotube/polydiacetylene composites. <i>Carbon</i> , 2015 , 90, 222-230	10.4	10
71	Port choice strategies for container carriers in China: a case study of the Bohai Bay Rim port cluster. <i>International Journal of Shipping and Transport Logistics</i> , 2016 , 8, 129	1	10
70	Fabrication and characterization of mini alumina ceramic turbine rotor using a tailored gelcasting process. <i>Ceramics International</i> , 2014 , 40, 7711-7722	5.1	10
69	Impregnating epoxy into N-doped-CNTs@carbon aerogel to prepare high-performance microwave-absorbing composites with extra-low filler content. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 140, 106159	8.4	10
68	Healing mechanisms induced by synergy of Graphene-CNTs and microwave focusing effect for the thermoplastic polyurethane composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018 , 106, 34-41	8.4	10
67	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. <i>Nanoscale</i> , 2016 , 8, 8547-52	7.7	9
66	Comparison study of fabrication of ceramic rotor using various manufacturing methods. <i>Ceramics International</i> , 2014 , 40, 12493-12502	5.1	9
65	Reduced graphene oxide/CoSe ₂ nanocomposites: hydrothermal synthesis and their enhanced electrocatalytic activity. <i>Journal of Materials Science</i> , 2013 , 48, 7913-7919	4.3	9
64	Mechanical response of shear thickening fluid filled composite subjected to different strain rates. <i>International Journal of Mechanical Sciences</i> , 2021 , 196, 106304	5.5	9
63	Robust polyurea/poly(urea-formaldehyde) hybrid microcapsules decorated with Al ₂ O ₃ nano-shell for improved self-healing performance. <i>Applied Surface Science</i> , 2021 , 542, 148561	6.7	9
62	A comparison of thermoplastic polyurethane incorporated with graphene oxide and thermally reduced graphene oxide: Reduction is not always necessary. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47745	2.9	8
61	Prostaglandin F ₂ Receptor Modulation Affects Eye Development in Guinea Pigs. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2018 , 123, 263-270	3.1	8

60	Thermomechanical performance of cheetah skin carbon nanotube embedded composite: Isothermal and non-isothermal investigation. <i>Polymer</i> , 2018 , 145, 294-309	3.9	8
59	Finite element study of energy absorption foams for headgear in football (soccer) games. <i>Materials and Design</i> , 2015 , 88, 162-169	8.1	8
58	Multifunctional Alumina Composites with Toughening and Crack-Healing Features Via Incorporation of NiAl Particles. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1618-1625	3.8	7
57	Rate dependent behaviors of nickel-based microcapsules. <i>Applied Physics Letters</i> , 2018 , 112, 221905	3.4	7
56	Low-velocity impact behavior of UHMWPE fabric/thermoplastic laminates with combined surface treatments of polydopamine and functionalized carbon nanotubes. <i>Composites Communications</i> , 2020 , 22, 100527	6.7	7
55	Wear Resistance of Polymers With Encapsulated Epoxy-Amine Self-Healing Chemistry. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015 , 82,	2.7	6
54	Epigallocatechin gallate decorated carbon nanotube chemiresistors for ultrasensitive glucose detection. <i>Organic Electronics</i> , 2016 , 28, 210-216	3.5	6
53	RANSE simulation of high-speed planning craft in regular waves. <i>Journal of Marine Science and Application</i> , 2012 , 11, 447-452	1.2	6
52	Rational Design of All Resistive Multifunctional Sensors with Stimulus Discriminability. <i>Advanced Functional Materials</i> , 2107570	15.6	6
51	MITF protects against oxidative damage-induced retinal degeneration by regulating the NRF2 pathway in the retinal pigment epithelium. <i>Redox Biology</i> , 2020 , 34, 101537	11.3	6
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49	Shell Formation Mechanism for Direct Microencapsulation of Nonequilibrium Pure Polyamine Droplet. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22413-22423	3.8	5
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