

Jinglei Yang

List of Publications by Year in Descending Order

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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
citations

45
h-index

78
g-index

215
ext. papers

8,553
ext. citations

6.9
avg, IF

6.4
L-index

#	Paper	IF	Citations
203	Retinal Dopamine D2 Receptors Participate in the Development of Myopia in Mice. 2022 , 63, 24		1
202	Autonomous Visualization of Damage in Polymers by Metal-Free Polymerizations of Microencapsulated Activated Alkynes.. <i>Advanced Science</i> , 2022 , e2105395	13.6	1
201	Eco-friendly synthesis of ferric ion-polyphenol-graphene aerogel for solar steam generation. <i>Materials Letters</i> , 2022 , 313, 131738	3.3	1
200	An even-load-distribution design for composite bolted joints using a novel circuit model and neural network. <i>Composite Structures</i> , 2022 , 279, 114709	5.3	2
199	In situ investigation of the healing process in dual-microcapsule self-healing materials by the Synchrotron Radiation Computed Tomography. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022 , 106955	8.4	1
198	Effective combination of modeling and experimental data with deep metric learning for guided wave-based damage localization in plates. <i>Mechanical Systems and Signal Processing</i> , 2022 , 172, 108979	7.8	0
197	Catalytic pyrolysis of film waste over Co/Ni pillared montmorillonites towards H ₂ production.. <i>Chemosphere</i> , 2022 , 134440	8.4	0
196	Development of a versatile microencapsulation technique for aqueous phases using inverse emulsion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021 , 634, 127865	5.1	0
195	A deep learning-based composite design strategy for efficient selection of material and layout sequences from a given database. <i>Composites Science and Technology</i> , 2021 , 109154	8.6	1
194	Interdigitated Three-Dimensional Heterogeneous Nanocomposites for High-Performance Mechanochromic Smart Membranes. <i>ACS Nano</i> , 2021 ,	16.7	4
193	A deep learning approach for efficient topology optimization based on the element removal strategy. <i>Materials and Design</i> , 2021 , 212, 110179	8.1	2
192	Machine learning-based prediction of the translamellar R-curve of composites from simple tensile test of pre-cracked samples. <i>Journal of Micromechanics and Molecular Physics</i> , 2021 , 06, 2050017	1.4	3
191	Robust and impermeable metal shell microcapsules for one-component self-healing coatings. <i>Applied Surface Science</i> , 2021 , 546, 149114	6.7	5
190	Solid-State Thermal Memory of Temperature-Responsive Polymer Induced by Hydrogen Bonds. <i>Nano Letters</i> , 2021 , 21, 3843-3848	11.5	2
189	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
188	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. <i>Nano-Micro Letters</i> , 2021 , 13, 122	19.5	22
187	Ecofriendly Microencapsulated Phase-Change Materials with Hybrid Core Materials for Thermal Energy Storage and Flame Retardancy. <i>Langmuir</i> , 2021 , 37, 6380-6387	4	2

186	Thermally conductive silicone composites modified by graphene-oxide aerogel beads loaded with phase change materials as efficient heat sinks. <i>Applied Thermal Engineering</i> , 2021 , 189, 116713	5.8	2
185	Mechanochromic Fluorescent Polymers Enabled by AIE Processes. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000311	4.8	23
184	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
183	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
182	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
181	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
180	Dopamine Imaging in Living Cells and Retina by Surface-Enhanced Raman Scattering Based on Functionalized Gold Nanoparticles. <i>Analytical Chemistry</i> , 2021 , 93, 10841-10849	7.8	6
179	Microcapsule mechanics: Quasi-static compressive properties and the effect of liquid core. <i>International Journal of Mechanical Sciences</i> , 2021 , 205, 106604	5.5	1
178	Developing thermoplastic hybrid titanium composite laminates (HTCLS) at room temperature: Low-velocity impact analyses. <i>Composites Part A: Applied Science and Manufacturing</i> , 2021 , 149, 106552	8.4	2
177	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
176	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
175	Holey, anti-impact and resilient thermoplastic urethane/carbon nanotubes fabricated by a low-cost vapor induced phase separation strategy for the detection of human motions. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020 , 136, 105974	8.4	5
174	Te Nanoneedles Induced Entanglement and Thermoelectric Improvement of SnSe. <i>Materials</i> , 2020 , 13,	3.5	2
173	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. <i>Materials Horizons</i> , 2020 , 7, 2378-2389	14.4	30
172	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
171	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
170	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
169	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

168	Effect of Thiodiphenol-Based Epoxy Resin on the Thermal Properties of an Aluminum Oxide Composite. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 603-607	1.3	1
167	KIT ligand protects against both light-induced and genetic photoreceptor degeneration. <i>ELife</i> , 2020 , 9,	8.9	5
166	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
165	On the metal thermoplastic composite interface of Ti alloy/UHMWPE-Elium \square laminates. <i>Composites Part B: Engineering</i> , 2020 , 181, 107578	10	24
164	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
163	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
162	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
161	Reversible visible/near-infrared light responsive thin films based on indium tin oxide nanocrystals and polymer. <i>Scientific Reports</i> , 2020 , 10, 12808	4.9	1
160	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
159	A role of color vision in emmetropization in C57BL/6J mice. <i>Scientific Reports</i> , 2020 , 10, 14895	4.9	3
158	A Study on the Thermal Conductivity of Poly(lactic acid)/Alumina Composites: The Effect of the Filler Treatment. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 229-238	1.3	2
157	Dynamic behavior of carbon nanofiber-modified epoxy with the effect of polydopamine-coated interface. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 27, 1827-1839	1.8	4
156	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
155	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
154	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
153	Robust multifunctional microcapsules with antibacterial and anticorrosion features. <i>Chemical Engineering Journal</i> , 2019 , 372, 496-508	14.7	24
152	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
151	A Study on the Motion of Partial Air Cushion Support Catamaran in Regular Head Waves. <i>Water (Switzerland)</i> , 2019 , 11, 580	3	2

150	Fabrication of Water Soluble Polymer Capsules for Protecting Mineral Admixtures in Groundwater for Emergency Recovery of Sinkhole. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 1649-1656	1.3	
149	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
148	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
147	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
146	A fast machine learning-based mask printability predictor for OPC acceleration 2019 ,		10
145	Robust Metallic Microcapsules: A Direct Path to New Multifunctional Materials. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9621-9628	9.5	17
144	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
143	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
142	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
141	Improved Bonding Strength Between Thermoplastic Resin and Ti Alloy with Surface Treatments by Multi-step Anodization and Single-step Micro-arc Oxidation Method: a Comparative Study. <i>ES Materials & Manufacturing</i> , 2019 ,	3.7	5
140	Effect of Surface Modifications and Their Reaction Conditions on Multi-Walled Carbon Nanotubes for Thermal Conductive Composite Material. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 1525-1532	1.3	3
139	Optimal Co(OH) ₂ Nanowire Contents in Graphene Nanosheet Electrode on Its Electrochemical Performance of Supercapacitor. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 1350-1359	1.3	2
138	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
137	Microencapsulated phase change materials with composite titania-polyurea (TiO ₂ -PUA) shell. <i>Applied Energy</i> , 2018 , 215, 468-478	10.7	52
136	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
135	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
134	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
133	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6580-6592	9.5	54

132	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
131	Thermomechanical performance of cheetah skin carbon nanotube embedded composite: Isothermal and non-isothermal investigation. <i>Polymer</i> , 2018 , 145, 294-309	3.9	8
130	Large-sized graphene oxide as bonding agent for the liquid extrusion of nanoparticle aerogels. <i>Carbon</i> , 2018 , 136, 196-203	10.4	11
129	Hollow glass bubbles etched with tunable sizes of through-holes. <i>Journal of Microencapsulation</i> , 2018 , 35, 192-203	3.4	1
128	Flexible electrochromic materials based on CNT/PDA hybrids. <i>Advances in Colloid and Interface Science</i> , 2018 , 258, 21-35	14.3	13
127	Rate dependent behaviors of nickel-based microcapsules. <i>Applied Physics Letters</i> , 2018 , 112, 221905	3.4	7
126	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
125	1.20 Hygrothermal Effects in Composites 2018 , 502-519		1
124	Interfacial and Glass Transition Properties of Surface-Treated Carbon Fiber Reinforced Polymer Composites under Hygrothermal Conditions. <i>Engineered Science</i> , 2018 ,	3.8	14
123	The Study of Multi-walled Carbon Nanotube Surface and Matrix Structure for Thermal Conductive Composite Material. <i>Porrime</i> , 2018 , 42, 776-783	1	2
122	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
121	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
120	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
119	Sealing of through-holes on hollow glass bubbles with graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 559, 258-265	5.1	3
118	Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs 2018 , 59, 4441-4448		18
117	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
116	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
115	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

114	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
113	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
112	Superlong Salicylideneaniline Semiconductor Nanobelts Prepared by a Magnetic Nanoparticle-Assisted Self-Assembly Process for Luminescence Thermochromism. <i>ACS Omega</i> , 2017 , 2, 2264-2272	3.9	1
111	Unit cells for thermal analyses of syntactic foams with imperfect interfaces. <i>Composites Communications</i> , 2017 , 3, 28-32	6.7	4
110	Dynamic failure of basalt/epoxy laminates under blast Experimental observation. <i>International Journal of Impact Engineering</i> , 2017 , 102, 16-26	4	19
109	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
108	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
107	Modification of the contact surfaces for improving the puncture resistance of laminar structures. <i>Scientific Reports</i> , 2017 , 7, 6615	4.9	2
106	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
105	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. <i>Scientific Reports</i> , 2017 , 7, 2777	4.9	17
104	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
103	Development of Shipping Logistics in China. <i>Current Chinese Economic Report Series</i> , 2017 , 115-137	0	
102	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
101	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
100	Graphene oxide beads for fast clean-up of hazardous chemicals. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 9437-9446	13	40
99	Tuneable electrochromism in weavable carbon nanotube/polydiacetylene yarns. <i>Carbon</i> , 2016 , 106, 110-117	10.7	24
98	Effects of nano-silica contents on the properties of epoxy nanocomposites and Ti-epoxy assembles. <i>Composites Science and Technology</i> , 2016 , 129, 46-52	8.6	12
97	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

96	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
95	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
94	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
93	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. <i>Nanoscale</i> , 2016 , 8, 8547-52	7.7	9
92	Water resistant reactive microcapsules for self-healing coatings in harsh environments. <i>Polymer</i> , 2016 , 91, 33-40	3.9	49
91	Strengthening and failure mechanisms of individual carbon nanotube fibers under dynamic tensile loading. <i>Carbon</i> , 2016 , 102, 18-31	10.4	26
90	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
89	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
88	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. <i>Carbon</i> , 2016 , 98, 432-440	10.4	51
87	Epigallocatechin gallate decorated carbon nanotube chemiresistors for ultrasensitive glucose detection. <i>Organic Electronics</i> , 2016 , 28, 210-216	3.5	6
86	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
85	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
84	Analyzing the spatial-temporal evolution of a gateway's hinterland: A case study of Shanghai, China. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2016 , 95, 355-367	9	14
83	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 10985-94	9.5	27
82	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
81	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
80	Wear Resistance of Polymers With Encapsulated Epoxy-Amine Self-Healing Chemistry. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015 , 82,	2.7	6
79	On the study of electrochromism in multiwalled carbon nanotube-polydiacetylene composites. <i>Carbon</i> , 2015 , 90, 222-230	10.4	10

78	Mechanical and Interfacial Properties Characterisation of Single Carbon Fibres for Composite Applications. <i>Experimental Mechanics</i> , 2015 , 55, 1057-1065	2.6	18
77	Self-cleaning engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2015 , 64, 74-83	8.6	54
76	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
75	Salicylideneanilines encapsulated mesoporous silica functionalized gold nanoparticles: a low temperature calibrated fluorescent thermometer. <i>RSC Advances</i> , 2015 , 5, 77056-77061	3.7	3
74	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
73	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
72	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
71	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
70	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
69	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
68	Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. <i>Scientific Reports</i> , 2015 , 5, 15013	4.9	33
67	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
66	Multifunctional polymeric composites with wear-resistant, toughening, and self-healing features 2015 , 588-615		
65	Increased serum fibroblast growth factor 21 levels in patients with schizophrenia. <i>Australian and New Zealand Journal of Psychiatry</i> , 2015 , 49, 849-50	2.6	5
64	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
63	Polyvinylpyrrolidone-stabilized magnetic nickel nanochains for cancer hyperthermia and catalysis applications. <i>RSC Advances</i> , 2015 , 5, 22965-22971	3.7	13
62	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
61	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

60	One-Part Self-Healing Anticorrosive Coatings: Design Strategy and Examples 2015 , 491-535		1
59	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
58	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
57	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
56	Mechanical and Tribological Properties of Graphene Modified Epoxy Composites. <i>KMUTNB International Journal of Applied Science and Technology</i> , 2015 , 1-9		3
55	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
54	Wear resistant epoxy composites with diisocyanate-based self-healing functionality. <i>Wear</i> , 2014 , 313, 19-28	3.5	62
53	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
52	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
51	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
50	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
49	Long-term performance of 1H, 1H ₂ , 2H, 2H ₂ -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
48	Tribological properties of short carbon fibers reinforced epoxy composites. <i>Friction</i> , 2014 , 2, 226-239	5.6	40
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