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	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
2	Highly transparent and super-wettable nanocoatings hybridized with isocyanate-silane modified surfactant for multifunctional applications. Nano Materials Science, 2022, 4, 151-168.	3.9	6
3	Rational Design of All Resistive Multifunctional Sensors with Stimulus Discriminability. Advanced Functional Materials, 2022, 32, .	7.8	33
4	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
5	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
6	Interdigitated Three-Dimensional Heterogeneous Nanocomposites for High-Performance Mechanochromic Smart Membranes. ACS Nano, 2022, 16, 68-77.	7.3	15
7	Retinal Dopamine D2 Receptors Participate in the Development of Myopia in Mice. , 2022, 63, 24.		14
8	Autonomous Visualization of Damage in Polymers by Metalâ€Free Polymerizations of Microencapsulated Activated Alkynes. Advanced Science, 2022, 9, e2105395.	5.6	8
9	Eco-friendly synthesis of ferric ion-polyphenol-graphene aerogel for solar steam generation. Materials Letters, 2022, 313, 131738.	1.3	11
10	In situ investigation of the healing process in dual-microcapsule self-healing materials by the synchrotron radiation computed tomography. Composites Part A: Applied Science and Manufacturing, 2022, 158, 106955.	3.8	7
11	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
12	Catalytic pyrolysis of film waste over Co/Ni pillared montmorillonites towards H2 production. Chemosphere, 2022, 299, 134440.	4.2	11
13	Laser-Induced Ni Foil-Supported NiO@Ni(OH)₂ Hierarchical Structures as Advanced Cathodes for Ultrahigh Performance Nickelâ€"Zinc Batteries. ACS Applied Energy Materials, 2022, 5, 7157-7167.	2.5	6
14	Visualization and monitoring of dynamic damagingâ€"healing processes of polymers by using AIEgen-loaded multifunctional microcapsules. Journal of Materials Chemistry A, 2022, 10, 15438-15448.	5.2	8
15	Physics-based Nested-ANN Approach for Fan-Out Wafer-Level Package Reliability Prediction. , 2022, , .		3
16	Mechanochromic Fluorescent Polymers Enabled by AIE Processes. Macromolecular Rapid Communications, 2021, 42, e2000311.	2.0	49
17	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
18	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

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19	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
20	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
21	Machine learning-based prediction of the translaminar R-curve of composites from simple tensile test of pre-cracked samples. Journal of Micromechanics and Molecular Physics, 2021, 06, 2050017.	0.7	7
22	Robust and impermeable metal shell microcapsules for one-component self-healing coatings. Applied Surface Science, 2021, 546, 149114.	3.1	18
23	Solid-State Thermal Memory of Temperature-Responsive Polymer Induced by Hydrogen Bonds. Nano Letters, 2021, 21, 3843-3848.	4.5	7
24	Mechanical response of shear thickening fluid filled composite subjected to different strain rates. International Journal of Mechanical Sciences, 2021, 196, 106304.	3.6	32
25	Anisotropic, Wrinkled, and Crack-Bridging Structure for Ultrasensitive, Highly Selective Multidirectional Strain Sensors. Nano-Micro Letters, 2021, 13, 122.	14.4	74
26	Ecofriendly Microencapsulated Phase-Change Materials with Hybrid Core Materials for Thermal Energy Storage and Flame Retardancy. Langmuir, 2021, 37, 6380-6387.	1.6	10
27	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
28	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
29	Microcapsule mechanics: Quasi-static compressive properties and the effect of liquid core. International Journal of Mechanical Sciences, 2021, 205, 106604.	3.6	7
30	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
31	A deep learning approach for efficient topology optimization based on the element removal strategy. Materials and Design, 2021, 212, 110179.	3.3	16
32	Development of a versatile microencapsulation technique for aqueous phases using inverse emulsion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 634, 127865.	2.3	7
33	Dynamic behavior of carbon nanofiber-modified epoxy with the effect of polydopamine-coated interface. Mechanics of Advanced Materials and Structures, 2020, 27, 1827-1839.	1.5	6
34	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
35	On the metal thermoplastic composite interface of Ti alloy/UHMWPE-ElíumÂ® laminates. Composites Part B: Engineering, 2020, 181, 107578.	5.9	40
36	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

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37	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
38	The Finite Element Model of the Effect of the Interface Behavior of Corner Bond on the Reliability of the BGA Package under Thermal Cycling. , 2020, , .		2
39	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
40	Reversible visible/near-infrared light responsive thin films based on indium tin oxide nanocrystals and polymer. Scientific Reports, 2020, 10, 12808.	1.6	2
41	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
42	A role of color vision in emmetropization in C57BL/6J mice. Scientific Reports, 2020, 10, 14895.	1.6	8
43	A Study on the Thermal Conductivity of Poly(lactic acid)/Alumina Composites: The Effect of the Filler Treatment. Journal of Nanoscience and Nanotechnology, 2020, 20, 229-238.	0.9	3
44	Robust Microcapsules with Durable Superhydrophobicity and Superoleophilicity for Efficient Oilâ€"Water Separation. ACS Applied Materials & Interfaces, 2020, 12, 57547-57559.	4.0	34
45	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
46	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
47	Te Nanoneedles Induced Entanglement and Thermoelectric Improvement of SnSe. Materials, 2020, 13, 2523.	1.3	3
48	Human skin-inspired integrated multidimensional sensors based on highly anisotropic structures. Materials Horizons, 2020, 7, 2378-2389.	6.4	56
49	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
50	Highly Thermally Conductive Dielectric Nanocomposites with Synergistic Alignments of Graphene and Boron Nitride Nanosheets. Advanced Functional Materials, 2020, 30, 1910826.	7.8	223
51	Low-velocity impact behaviors of a fully thermoplastic composite laminate fabricated with an innovative acrylic resin. Composite Structures, 2020, 250, 112604.	3.1	45
52	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
53	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
54	Effect of Thiodiphenol-Based Epoxy Resin on the Thermal Properties of an Aluminum Oxide Composite. Journal of Nanoscience and Nanotechnology, 2020, 20, 603-607.	0.9	1

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55	KIT ligand protects against both light-induced and genetic photoreceptor degeneration. ELife, 2020, 9, .	2.8	13
56	Mechanical properties and failure modes of hybrid fiber reinforced polymer composites with a novel liquid thermoplastic resin, ElíumÂ®. Composites Part A: Applied Science and Manufacturing, 2019, 125, 105523.	3.8	79
57	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
58	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
59	Shell Formation Mechanism for Direct Microencapsulation of Nonequilibrium Pure Polyamine Droplet. Journal of Physical Chemistry C, 2019, 123, 22413-22423.	1.5	9
60	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
61	Robust multifunctional microcapsules with antibacterial and anticorrosion features. Chemical Engineering Journal, 2019, 372, 496-508.	6.6	47
62	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
63	A Study on the Motion of Partial Air Cushion Support Catamaran in Regular Head Waves. Water (Switzerland), 2019, 11, 580.	1.2	2
64	Fabrication of Water Soluble Polymer Capsules for Protecting Mineral Admixtures in Groundwater for Emergency Recovery of Sinkhole. Journal of Nanoscience and Nanotechnology, 2019, 19, 1649-1656.	0.9	0
65	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
66	Skin-Inspired, Fully Autonomous Self-Warning and Self-Repairing Polymeric Material under Damaging Events. Chemistry of Materials, 2019, 31, 2611-2618.	3.2	47
67	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
68	A fast machine learning-based mask printability predictor for OPC acceleration. , 2019, , .		17
69	Robust Metallic Microcapsules: A Direct Path to New Multifunctional Materials. ACS Applied Materials & Interfaces, 2019, 11, 9621-9628.	4.0	27
70	Effect of Surface Modifications and Their Reaction Conditions on Multi-Walled Carbon Nanotubes for Thermal Conductive Composite Material. Journal of Nanoscience and Nanotechnology, 2019, 19, 1525-1532.	0.9	3
71	Optimal Co(OH)₂ Nanowire Contents in Graphene Nanosheet Electrode on Its Electrochemical Performance of Supercapacitor. Journal of Nanoscience and Nanotechnology, 2019, 19, 1350-1359.	0.9	3
72	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

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73	Self-Sealing Polyolefin by Super-Absorbent Polymer. Engineered Science, 2019, , .	1.2	1
74	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. ES Materials & Manufacturing, 2019, , .	1.1	6
75	Synthesis of P Doped EDTA-Co Structure and Synergistic Effect of ORR as Electrochemical Catalyst. Porrime, 2019, 43, 940-945.	0.0	0
76	Microencapsulated phase change materials with composite titania-polyurea (TiO2-PUA) shell. Applied Energy, 2018, 215, 468-478.	5.1	85
77	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
78	Prostaglandin F2Î± Receptor Modulation Affects Eye Development in Guinea Pigs. Basic and Clinical Pharmacology and Toxicology, 2018, 123, 263-270.	1.2	9
79	Chemically and thermally stable isocyanate microcapsules having good self-healing and self-lubricating performances. Chemical Engineering Journal, 2018, 346, 289-297.	6.6	104
80	Graphene Size-Dependent Multifunctional Properties of Unidirectional Graphene Aerogel/Epoxy Nanocomposites. ACS Applied Materials & Interfaces, 2018, 10, 6580-6592.	4.0	71
81	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
82	Thermomechanical performance of cheetah skin carbon nanotube embedded composite: Isothermal and non-isothermal investigation. Polymer, 2018, 145, 294-309.	1.8	14
83	Large-sized graphene oxide as bonding agent for the liquid extrusion of nanoparticle aerogels. Carbon, 2018, 136, 196-203.	5.4	16
84	Hollow glass bubbles etched with tunable sizes of through-holes. Journal of Microencapsulation, 2018, 35, 192-203.	1.2	2
85	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
86	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
87	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
88	Sealing of through-holes on hollow glass bubbles with graphene oxide. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 559, 258-265.	2.3	5
89	Dopamine Receptor Subtypes Mediate Opposing Effects on Form Deprivation Myopia in Pigmented Guinea Pigs. , 2018, 59, 4441.		26
90	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

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91	Flexible electrochromic materials based on CNT/PDA hybrids. Advances in Colloid and Interface Science, 2018, 258, 21-35.	7.0	17
92	Rate dependent behaviors of nickel-based microcapsules. Applied Physics Letters, 2018, 112, 221905.	1.5	10
93	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
94	1.20 Hygrothermal Effects in Composites. , 2018, , 502-519.		1
95	Interfacial and Glass Transition Properties of Surface-Treated Carbon Fiber Reinforced Polymer Composites under Hygrothermal Conditions. Engineered Science, 2018, , .	1.2	18
96	The Study of Multi-walled Carbon Nanotube Surface and Matrix Structure for Thermal Conductive Composite Material. Porrime, 2018, 42, 776-783.	0.0	2
97	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
98	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
99	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
100	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
101	Superlong Salicylideneaniline Semiconductor Nanobelts Prepared by a Magnetic Nanoparticle-Assisted Self-Assembly Process for Luminescence Thermochromism. ACS Omega, 2017, 2, 2264-2272.	1.6	2
102	Unit cells for thermal analyses of syntactic foams with imperfect interfaces. Composites Communications, 2017, 3, 28-32.	3.3	4
103	Dynamic failure of basalt/epoxy laminates under blastâ€"Experimental observation. International Journal of Impact Engineering, 2017, 102, 16-26.	2.4	25
104	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
105	Mechanical behaviors of Ti/CFRP/Ti laminates with different surface treatments of titanium sheets. Composite Structures, 2017, 163, 21-31.	3.1	93
106	Modification of the contact surfaces for improving the puncture resistance of laminar structures. Scientific Reports, 2017, 7, 6615.	1.6	3
107	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
108	Changes in retinal metabolic profiles associated with form deprivation myopia development in guinea pigs. Scientific Reports, 2017, 7, 2777.	1.6	27

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109	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
110	Development of Shipping Logistics in China. Current Chinese Economic Report Series, 2017, , 115-137.	0.0	0
111	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
112	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
113	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
114	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 10985-10994.	4.0	29
115	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
116	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
117	Graphene oxide beads for fast clean-up of hazardous chemicals. Journal of Materials Chemistry A, 2016, 4, 9437-9446.	5.2	51
118	Tuneable electrochromism in weavable carbon nanotube/polydiacetylene yarns. Carbon, 2016, 106, 110-117.	5.4	32
119	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
120	On the dispersion systems of graphene-like two-dimensional materials: From fundamental laws to engineering guidelines. Carbon, 2016, 107, 774-782.	5.4	28
121	Analysis of tunnel hydrodynamic characteristics for planing trimaran by model tests and numerical simulations. Ocean Engineering, 2016, 113, 101-110.	1.9	35
122	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
123	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
124	Quantum dot decorated aligned carbon nanotube bundles for a performance enhanced photoswitch. Nanoscale, 2016, 8, 8547-8552.	2.8	10
125	Water resistant reactive microcapsules for self-healing coatings in harsh environments. Polymer, 2016, 91, 33-40.	1.8	61
126	Strengthening and failure mechanisms of individual carbon nanotube fibers under dynamic tensile loading. Carbon, 2016, 102, 18-31.	5.4	36

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127	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
128	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
129	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. Carbon, 2016, 98, 432-440.	5.4	60
130	Epigallocatechin gallate decorated carbon nanotube chemiresistors for ultrasensitive glucose detection. Organic Electronics, 2016, 28, 210-216.	1.4	6
131	Serum trace element differences between Schizophrenia patients and controls in the Han Chinese population. Scientific Reports, 2015, 5, 15013.	1.6	46
132	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
133	Multifunctional polymeric composites with wear-resistant, toughening, and self-healing features. , 2015, , 588-615.		1
134	Increased serum fibroblast growth factor 21 levels in patients with schizophrenia. Australian and New Zealand Journal of Psychiatry, 2015, 49, 849-850.	1.3	7
135	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
136	Polyvinylpyrrolidone-stabilized magnetic nickel nanochains for cancer hyperthermia and catalysis applications. RSC Advances, 2015, 5, 22965-22971.	1.7	15
137	Finite element study of energy absorption foams for headgear in football (soccer) games. Materials and Design, 2015, 88, 162-169.	3.3	10
138	Energy Absorption Mechanisms of Modified Double-Aluminum Layers Under Low-Velocity Impact. International Journal of Applied Mechanics, 2015, 07, 1550086.	1.3	17
139	One-Part Self-Healing Anticorrosive Coatings. , 2015, , 491-535.		1
140	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
141	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
142	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
143	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
144	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

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145	Wear Resistance of Polymers With Encapsulated Epoxy-Amine Self-Healing Chemistry. Journal of Applied Mechanics, Transactions ASME, 2015, 82, .	1.1	7
146	On the study of electrochromism in multiwalled carbon nanotubeâ€"polydiacetylene composites. Carbon, 2015, 90, 222-230.	5.4	12
147	Mechanical and Interfacial Properties Characterisation of Single Carbon Fibres for Composite Applications. Experimental Mechanics, 2015, 55, 1057-1065.	1.1	22
148	Self-cleaning engineered cementitious composites. Cement and Concrete Composites, 2015, 64, 74-83.	4.6	82
149	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
150	Salicylideneanilines encapsulated mesoporous silica functionalized gold nanoparticles: a low temperature calibrated fluorescent thermometer. RSC Advances, 2015, 5, 77056-77061.	1.7	3
151	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
152	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
153	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
154	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
155	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
156	Path-independent digital image correlation with high accuracy, speed and robustness. Optics and Lasers in Engineering, 2015, 65, 93-102.	2.0	110
157	Mechanical and Tribological Properties of Graphene Modified Epoxy Composites. KMUTNB International Journal of Applied Science and Technology, 2015, , 1-9.	0.3	3
158	Short Carbon Fiber-Reinforced Epoxy Tribomaterials Self-Lubricated by Wax Containing Microcapsules. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	20
159	Self-Lubricating and Wear Resistant Epoxy Composites Incorporated With Microencapsulated Wax. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	1.1	35
160	Biomimetics: A Versatile Approach towards Multifunctional Robust Microcapsules with Tunable, Restorable, and Solvent-Proof Superhydrophobicity for Self-Healing and Self-Cleaning Coatings (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	7.8	1
161	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
162	Fabrication and characterization of mini alumina ceramic turbine rotor using a tailored gelcasting process. Ceramics International, 2014, 40, 7711-7722.	2.3	13

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163	Impact Behaviour of GLAREs with MWCNT Modified Epoxy Resins. Experimental Mechanics, 2014, 54, 83-93.	1.1	56
164	Self-healing epoxy via epoxyâ€“amine chemistry in dual hollow glass bubbles. Composites Science and Technology, 2014, 94, 23-29.	3.8	93
165	Wear resistant epoxy composites with diisocyanate-based self-healing functionality. Wear, 2014, 313, 19-28.	1.5	78
166	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
167	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
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