

## List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Tensile properties of short-glass-fiber- and short-carbon-fiber-reinforced polypropylene composites. Composites Part A: Applied Science and Manufacturing, 2000, 31, 1117-1125.	7.6	682
2	High-yield synthesis and optical properties of g-C <sub>3</sub> N <sub>4</sub> . Nanoscale, 2015, 7, 12343-12350.	5.6	303
3	Synthesis of robust and high-performance aquaporin-based biomimetic membranes by interfacial polymerization-membrane preparation and RO performance characterization. Journal of Membrane Science, 2012, 423-424, 422-428.	8.2	272
4	Thermal conductivity of polystyrene–aluminum nitride composite. Composites Part A: Applied Science and Manufacturing, 2002, 33, 289-292.	7.6	268
5	MoS <sub>2</sub> /TiO <sub>2</sub> Edgeâ€On Heterostructure for Efficient Photocatalytic Hydrogen Evolution. Advanced Energy Materials, 2016, 6, 1600464.	19.5	264
6	Specific properties and fracture toughness of syntactic foam: Effect of foam microstructures. Composites Science and Technology, 2005, 65, 1840-1850.	7.8	229
7	Gel Network Structure of Methylcellulose in Water. Langmuir, 2001, 17, 8062-8068.	3.5	226
8	Temperature-responsive hydrogel with ultra-large solar modulation and high luminous transmission for "smart window―applications. Journal of Materials Chemistry A, 2014, 2, 13550-13555.	10.3	224
9	Thermally Induced Association and Dissociation of Methylcellulose in Aqueous Solutions. Langmuir, 2002, 18, 7291-7298.	3.5	209
10	Phthalonitrile-Based Carbon Foam with High Specific Mechanical Strength and Superior Electromagnetic Interference Shielding Performance. ACS Applied Materials & Interfaces, 2016, 8, 7422-7430.	8.0	189
11	TiO <sub>2</sub> hollow spheres with large amount of exposed (001) facets for fast reversible lithium storage. Journal of Materials Chemistry, 2011, 21, 1677-1680.	6.7	182
12	VO <sub>2</sub> /hydrogel hybrid nanothermochromic material with ultra-high solar modulation and luminous transmission. Journal of Materials Chemistry A, 2015, 3, 1121-1126.	10.3	179
13	A critical review on draw solutes development for forward osmosis. Desalination, 2016, 391, 16-29.	8.2	169
14	Microwave-assisted non-aqueous route to deposit well-dispersed ZnO nanocrystals on reduced graphene oxide sheets with improved photoactivity for the decolorization of dyes under visible light. Applied Catalysis B: Environmental, 2012, 125, 425-431.	20.2	161
15	Using oxidation to increase the electrical conductivity of carbon nanotube electrodes. Carbon, 2009, 47, 1867-1870.	10.3	152
16	Interface Driven Energy Filtering of Thermoelectric Power in Spark Plasma Sintered Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> Nanoplatelet Composites. Nano Letters, 2012, 12, 4305-4310.	9.1	149
17	Elucidation of stoichiometric efficiency, radical generation and transformation pathway during catalytic oxidation of sulfamethoxazole via peroxymonosulfate activation. Water Research, 2019, 151, 64-74.	11.3	148
18	Nature gives the best solution for desalination: Aquaporin-based hollow fiber composite membrane with superior performance. Journal of Membrane Science, 2015, 494, 68-77.	8.2	141

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19	Dielectric properties of polystyrene–aluminum-nitride composites. Journal of Applied Physics, 2000, 88, 398-404.	2.5	139
20	A microwave-assisted rapid route to synthesize ZnO/ZnS core–shell nanostructures via controllable surface sulfidation of ZnO nanorods. CrystEngComm, 2011, 13, 3438.	2.6	133
21	Templateâ€Directed Liquid ALD Growth of TiO <sub>2</sub> Nanotube Arrays: Properties and Potential in Photovoltaic Devices. Advanced Functional Materials, 2010, 20, 1390-1396.	14.9	126
22	Towards temperature driven forward osmosis desalination using Semi-IPN hydrogels as reversible draw agents. Water Research, 2013, 47, 3773-3781.	11.3	125
23	Additive-free poly (vinylidene fluoride) aerogel for oil/water separation and rapid oil absorption. Chemical Engineering Journal, 2017, 308, 18-26.	12.7	125
24	Fracture resistance of short-glass-fiber-reinforced and short-carbon-fiber-reinforced polypropylene under Charpy impact load and its dependence on processing. Journal of Materials Processing Technology, 1999, 89-90, 501-507.	6.3	120
25	Urea-assisted one-step synthesis of cobalt ferrite impregnated ceramic membrane for sulfamethoxazole degradation via peroxymonosulfate activation. Chemical Engineering Journal, 2018, 343, 737-747.	12.7	119
26	Salt Template Assisted BN Scaffold Fabrication toward Highly Thermally Conductive Epoxy Composites. ACS Applied Materials & amp; Interfaces, 2020, 12, 16987-16996.	8.0	117
27	Morphology, thermal and mechanical properties of nylon 12/organoclay nanocomposites prepared by melt compounding. Polymer International, 2005, 54, 456-464.	3.1	115
28	Aquaporin-based biomimetic reverse osmosis membranes: Stability and long term performance. Journal of Membrane Science, 2016, 508, 94-103.	8.2	115
29	Facile one-pot synthesis of uniform TiO2–Ag hybrid hollow spheres with enhanced photocatalytic activity. Dalton Transactions, 2013, 42, 1122-1128.	3.3	114
30	Superabsorbent Cryogels Decorated with Silver Nanoparticles as a Novel Water Technology for Point-of-Use Disinfection. Environmental Science & amp; Technology, 2013, 47, 9363-9371.	10.0	113
31	Photochemical and Thermal Isomerizations of Azobenzene-Containing Amphiphilic Diblock Copolymers in Aqueous Micellar Aggregates and in Film. Macromolecules, 2005, 38, 3943-3948.	4.8	110
32	Title is missing!. Journal of Materials Science, 2001, 36, 1243-1251.	3.7	101
33	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. Applied Catalysis B: Environmental, 2013, 138-139, 1-8.	20.2	97
34	Effect of fiber reinforcement on the tensile, fracture and thermal properties of syntactic foam. Polymer, 2007, 48, 3183-3191.	3.8	95
35	Synthesis, Characterization, and Physical Properties of a Conjugated Heteroacene: 2â€Methylâ€1,4,6,7,8,9â€hexaphenylbenz( <i>g</i> )isoquinolinâ€3(2 <i>H</i> )â€one (BIQ). Chemistry - an Asian Journal, 2011, 6, 856-862.	3.3	95
36	New water soluble azobenzene-containing diblock copolymers: synthesis and aggregation behavior. Polymer, 2005, 46, 137-146.	3.8	94

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37	Pore-functionalized ceramic membrane with isotropically impregnated cobalt oxide for sulfamethoxazole degradation and membrane fouling elimination: Synergistic effect between catalytic oxidation and membrane separation. Applied Catalysis B: Environmental, 2019, 254, 37-46.	20.2	94
38	Nanostructural zinc oxide and its electrical and optical properties. Journal of Applied Physics, 2004, 95, 661-666.	2.5	93
39	Controllable Gelation of Methylcellulose by a Salt Mixture. Langmuir, 2004, 20, 6134-6138.	3.5	92
40	Atomic nitrogen doping and p-type conduction in SnO2. Applied Physics Letters, 2009, 95, .	3.3	90
41	Direct electrochemistry-based hydrogen peroxide biosensor formed from single-layer graphene nanoplatelet–enzyme composite film. Talanta, 2010, 82, 1344-1348.	5.5	90
42	A novel two-degree-of-freedom MEMS electromagnetic vibration energy harvester. Journal of Micromechanics and Microengineering, 2016, 26, 035020.	2.6	90
43	Thermochromic Ionogel: A New Class of Stimuli Responsive Materials with Super Cyclic Stability for Solar Modulation. Chemistry of Materials, 2017, 29, 6947-6955.	6.7	88
44	Properties of polycrystalline ZnO thin films by metal organic chemical vapor deposition. Journal of Crystal Growth, 2005, 281, 571-576.	1.5	87
45	Polydopamine decoration on 3D graphene foam and its electromagnetic interference shielding properties. Journal of Colloid and Interface Science, 2017, 493, 327-333.	9.4	86
46	Insights into the speciation of heavy metals during pyrolysis of industrial sludge. Science of the Total Environment, 2019, 691, 232-242.	8.0	86
47	Structure and properties of 3-alkoxy substituted polythiophene synthesized at low temperature. Polymer, 2000, 41, 9147-9154.	3.8	85
48	Facile One-Step Microwave-Assisted Route towards Ni Nanospheres/Reduced Graphene Oxide Hybrids for Non-Enzymatic Glucose Sensing. Sensors, 2012, 12, 4860-4869.	3.8	84
49	Energy-efficient desalination by forward osmosis using responsive ionic liquid draw solutes. Environmental Science: Water Research and Technology, 2015, 1, 341-347.	2.4	84
50	Out-of-plane electret-based MEMS energy harvester with the combined nonlinear effect from electrostatic force and a mechanical elastic stopper. Journal of Micromechanics and Microengineering, 2015, 25, 104014.	2.6	83
51	CO2 switchable dual responsive polymers as draw solutes for forward osmosis desalination. Chemical Communications, 2013, 49, 8377.	4.1	82
52	Direct dry transfer of chemical vapor deposition graphene to polymeric substrates. Carbon, 2015, 83, 224-231.	10.3	82
53	Electromagnetic interference shielding properties and mechanisms of chemically reduced graphene aerogels. Applied Surface Science, 2017, 412, 529-536.	6.1	81
54	Surface-nucleated heterogeneous growth of zeolitic imidazolate framework – A unique precursor towards catalytic ceramic membranes: Synthesis, characterization and organics degradation. Chemical Engineering Journal, 2018, 353, 69-79.	12.7	81

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55	Enhanced Molecular Level Dispersion and Interface Bonding at Low Loading of Modified Graphene Oxide To Fabricate Super Nylon 12 Composites. ACS Applied Materials & Interfaces, 2015, 7, 3142-3151.	8.0	80
56	Rheological study of crosslinking and gelation in bismaleimide/cyanate ester interpenetrating polymer network. Journal of Applied Polymer Science, 2001, 80, 2437-2445.	2.6	78
57	Dielectric properties of self-catalytic interpenetrating polymer network based on modified bismaleimide and cyanate ester resins. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1123-1134.	2.1	77
58	Bactericidal Mechanisms Revealed for Rapid Water Disinfection by Superabsorbent Cryogels Decorated with Silver Nanoparticles. Environmental Science & Technology, 2015, 49, 2310-2318.	10.0	77
59	In-grown structure of NiFe mixed metal oxides and CNT hybrid catalysts for oxygen evolution reaction. Chemical Communications, 2016, 52, 1439-1442.	4.1	74
60	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater – a perspective. Environmental Science: Nano, 2020, 7, 2178-2194.	4.3	74
61	The characteristics of carbon nanotubeâ€reinforced poly(phenylene sulfide) nanocomposites. Journal of Applied Polymer Science, 2009, 113, 3477-3483.	2.6	73
62	Mussel-Inspired Polydopamine Coated Hollow Carbon Microspheres, a Novel Versatile Filler for Fabrication of High Performance Syntactic Foams. ACS Applied Materials & Interfaces, 2014, 6, 18644-18652.	8.0	72
63	Origin of the Bottlenecks in Preparing Anodized Aluminum Oxide (AAO) Templates on ITO Glass. ACS Nano, 2008, 2, 2250-2256.	14.6	71
64	Specific functionalization and polymer grafting on multiwalled carbon nanotubes to fabricate advanced nylon 12 composites. Journal of Materials Chemistry A, 2014, 2, 3961.	10.3	68
65	Identifying Influential Parameters of Octahedrally Coordinated Cations in Spinel ZnMn <sub><i>x</i></sub> Co <sub>2–<i>x</i></sub> O <sub>4</sub> Oxides for the Oxidation Reaction. ACS Catalysis, 2018, 8, 8568-8577.	11.2	68
66	Thermal Curing of Hydrogen Silsesquioxane. Journal of the Electrochemical Society, 2000, 147, 335.	2.9	66
67	Analyses of the micromechanics of stress transfer in single- and multi-fiber pull-out tests. Composites Science and Technology, 2000, 60, 569-579.	7.8	65
68	Photoregulated Sol-Gel Transition of Novel Azobenzene-Functionalized Hydroxypropyl Methylcellulose and Its α -Cyclodextrin Complexes. Macromolecular Rapid Communications, 2004, 25, 678-682.	3.9	64
69	One-pot solvothermal synthesis of multi-shelled α-Fe2O3 hollow spheres with enhanced visible-light photocatalytic activity. Journal of Alloys and Compounds, 2013, 551, 440-443.	5.5	64
70	Hybrid catalytic ozonation-membrane filtration process with CeOx and MnOx impregnated catalytic ceramic membranes for micropollutants degradation. Chemical Engineering Journal, 2019, 378, 121670.	12.7	62
71	Flexible polyurethane composites prepared by incorporation of polyethylenimine-modified slightly reduced graphene oxide. Carbon, 2016, 98, 432-440.	10.3	60
72	Enhancing Agrichemical Delivery and Seedling Development with Biodegradable, Tunable, Biopolymer-Based Nanofiber Seed Coatings. ACS Sustainable Chemistry and Engineering, 2020, 8, 9537-9548.	6.7	59

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73	Tribological properties of short carbon fibers reinforced epoxy composites. Friction, 2014, 2, 226-239.	6.4	58
74	Understanding membrane fouling by oil-in-water emulsion via experiments and molecular dynamics simulations. Journal of Membrane Science, 2018, 566, 140-150.	8.2	58
75	Novel chemical surface modification to enhance hydrophobicity of polyamide-imide (PAI) hollow fiber membranes. Journal of Membrane Science, 2011, 380, 241-250.	8.2	57
76	A variable reaction order model for prediction of curing kinetics of thermosetting polymers. Polymer, 2007, 48, 6125-6133.	3.8	56
77	Autocatalytic curing kinetics of thermosetting polymers: A new model based on temperature dependent reaction orders. Polymer, 2010, 51, 3814-3820.	3.8	56
78	Strategic positioning of carbon fiber layers in an UHMwPE ballistic hybrid composite panel. International Journal of Impact Engineering, 2019, 129, 119-127.	5.0	55
79	Supramolecular Complexes of Azocellulose and α-Cyclodextrin: Isothermal Titration Calorimetric and Spectroscopic Studies. Macromolecules, 2005, 38, 2859-2864.	4.8	53
80	Polymersomes-based high-performance reverse osmosis membrane for desalination. Journal of Membrane Science, 2018, 555, 177-184.	8.2	53
81	Study of Alq3 thermal evaporation rate effects on the OLED. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 112, 14-18.	3.5	51
82	Preparation, characterization and novel photoregulated rheological properties of azobenzene functionalized cellulose derivatives and their α-CD complexes. Polymer, 2004, 45, 6219-6225.	3.8	51
83	Nano-toughening versus micro-toughening of polymer syntactic foams. Composites Science and Technology, 2007, 67, 2924-2933.	7.8	51
84	Design and synthesis of ice-templated PSA cryogels for water purification: towards tailored morphology and properties. Soft Matter, 2013, 9, 224-234.	2.7	51
85	A three-dimensional electret-based micro power generator for low-level ambient vibrational energy harvesting. Journal of Micromechanics and Microengineering, 2014, 24, 065022.	2.6	51
86	Design and implementation of an out-of-plane electrostatic vibration energy harvester with dual-charged electret plates. Microelectronic Engineering, 2015, 135, 32-37.	2.4	51
87	Role of alkali cation in compressive strength of metakaolin based geopolymers. Ceramics International, 2017, 43, 3811-3817.	4.8	51
88	Sol-gel transition of methylcellulose in phosphate buffer saline solutions. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 1849-1860.	2.1	50
89	Substituent Effects on Physical and Photovoltaic Properties of 5,6-Difluorobenzo[ <i>c</i> ][1,2,5]thiadiazole-Based D–A Polymers: Toward a Donor Design for High Performance Polymer Solar Cells. Macromolecules, 2013, 46, 9587-9592.	4.8	50
90	Effect of fillers on the structure and mechanical properties of LCP/PP/SiO2 in-situ hybrid nanocomposites. Composites Science and Technology, 2003, 63, 339-346.	7.8	49

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91	Sandwich-structured two-dimensional MEMS electret power generator for low-level ambient vibrational energy harvesting. Sensors and Actuators A: Physical, 2015, 228, 95-103.	4.1	49
92	The flexural modulus of misaligned short-fiber-reinforced polymers. Composites Science and Technology, 1999, 59, 1533-1542.	7.8	48
93	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.	3.7	48
94	Identification of safe and stable operation conditions for pressure retarded osmosis with high performance hollow fiber membrane. Journal of Membrane Science, 2016, 503, 90-100.	8.2	47
95	Thermal degradation study of interpenetrating polymer network based on modified bismaleimide resin and cyanate ester. Polymer International, 2003, 52, 15-22.	3.1	46
96	A novel approach for fabricating highly tunable and fluffy bioinspired 3D poly(vinyl alcohol) (PVA) fiber scaffolds. Nanoscale, 2017, 9, 7081-7093.	5.6	46
97	Acetic acid-assisted fabrication of hierarchical flower-like Bi2O3 for photocatalytic degradation of sulfamethoxazole and rhodamine B under solar irradiation. Journal of Colloid and Interface Science, 2017, 505, 489-499.	9.4	45
98	Novel sustainable geopolymer based syntactic foams: An eco-friendly alternative to polymer based syntactic foams. Chemical Engineering Journal, 2017, 313, 74-82.	12.7	45
99	Static and dynamic mechanical properties of modified bismaleimide and cyanate ester interpenetrating polymer networks. Journal of Applied Polymer Science, 2003, 88, 2000-2006.	2.6	44
100	Deformation micromechanics in high-modulus fibres and composites. Composites Science and Technology, 1993, 48, 255-261.	7.8	41
101	Zinc oxide quantum dots embedded films by metal organic chemical vapor deposition. Journal of Crystal Growth, 2006, 290, 518-522.	1.5	41
102	Thin film TiO2 electrodes derived by sol–gel process for photovoltaic applications. Journal of Power Sources, 2006, 159, 353-356.	7.8	40
103	Nanocarbons as platforms for developing novel catalytic composites: overview and prospects. Applied Catalysis A: General, 2018, 562, 94-105.	4.3	40
104	Polyacrylonitrile (PAN)-induced carbon membrane with in-situ encapsulated cobalt crystal for hybrid peroxymonosulfate oxidation-filtration process: Preparation, characterization and performance evaluation. Chemical Engineering Journal, 2019, 373, 425-436.	12.7	39
105	PP/LCP composites: effects of shear flow, extensional flow and nanofillers. Composites Science and Technology, 2003, 63, 1921-1929.	7.8	38
106	Synthesis and exfoliation of bismaleimide–organoclay nanocomposites. Polymer, 2004, 45, 9011-9018.	3.8	38
107	Charge transport and recombination in dye-sensitized solar cells based on hybrid films of TiO2 particles/TiO2 nanotubes. Journal of Alloys and Compounds, 2011, 509, 7808-7813.	5.5	38
108	A comparative study on electromagnetic interference shielding behaviors of chemically reduced and thermally reduced graphene aerogels. Journal of Colloid and Interface Science, 2017, 492, 112-118.	9.4	37

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109	Fluorescent N/Al Co-Doped Carbon Dots from Cellulose Biomass for Sensitive Detection of Manganese (VII). Journal of Fluorescence, 2019, 29, 1291-1300.	2.5	37
110	Miscibility and interactions in blends and complexes of poly(4-methyl-5-vinylthiazole) with proton-donating polymers. Polymer, 2003, 44, 5285-5291.	3.8	36
111	A Novel Amphiphilic Double-[60]Fullerene-Capped Triblock Copolymer. Macromolecules, 2005, 38, 9889-9893.	4.8	36
112	Improved Polymer Encapsulation on Multiwalled Carbon Nanotubes by Selective Plasma Induced Controlled Polymer Grafting. ACS Applied Materials & Interfaces, 2014, 6, 664-670.	8.0	36
113	Nano-hybrid bimetallic Au-Pd catalysts for ambient condition-catalytic wet air oxidation (AC-CWAO) of organic dyes. Separation and Purification Technology, 2020, 233, 115960.	7.9	36
114	EFFECTS OF FIBER LENGTH AND ORIENTATION DISTRIBUTIONS ON THE MECHANICAL PROPERTIES OF SHORT-FIBER-REINFORCED POLYMERS. Zairyo/Journal of the Society of Materials Science, Japan, 1999, 48, 74-83.	0.2	35
115	On the elastic stress transfer and longitudinal modulus of unidirectional multi-short-fiber composites. Composites Science and Technology, 2000, 60, 3001-3012.	7.8	35
116	Novel approach to fibrillation of LCP in an LCP/PP blend. Journal of Applied Polymer Science, 2002, 86, 2070-2078.	2.6	35
117	Effect of nano-silica filler on the rheological and morphological properties of polypropylene/liquid-crystalline polymer blends. Journal of Applied Polymer Science, 2003, 87, 1484-1492.	2.6	35
118	Effects of annealing (solid and melt) on the time evolution of polymorphic structure of PA6/silicate nanocomposites. Polymer, 2004, 45, 3819-3825.	3.8	35
119	Influence of surface morphology on the performance of nanostructured ZnO-loaded ceramic honeycomb for syngas desulfurization. Fuel, 2018, 211, 591-599.	6.4	35
120	Enhancing Agrichemical Delivery and Plant Development with Biopolymer-Based Stimuli Responsive Core–Shell Nanostructures. ACS Nano, 2022, 16, 6034-6048.	14.6	35
121	Synthesis and characterization of thieno[3,2â€b]thiopheneâ€isoindigoâ€based copolymers as electron donor and hole transport materials for bulkâ€heterojunction polymer solar cells. Journal of Polymer Science Part A, 2013, 51, 424-434.	2.3	34
122	Enhancing pressure retarded osmosis performance with low-pressure nanofiltration pretreatment: Membrane fouling analysis and mitigation. Journal of Membrane Science, 2017, 543, 114-122.	8.2	34
123	Novel high temperature polymeric encapsulation material for extreme environment electronics packaging. Materials and Design, 2018, 141, 202-209.	7.0	34
124	Surface modified silica mesoporous films as a low dielectric constant intermetal dielectric. Journal of Applied Physics, 2002, 92, 3338-3344.	2.5	33
125	Effect of organoclay on the curing reactions in bismaleimide/diallyl bisphenol a resin. Journal of Polymer Science Part A, 2005, 43, 994-1006.	2.3	33
126	Effects of crystallization temperature on the polymorphic behavior of syndiotactic polystyrene. Polymer, 2002, 43, 2489-2494.	3.8	32

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127	H2O–EG-Assisted Synthesis of Uniform Urchinlike Rutile TiO2 with Superior Lithium Storage Properties. ACS Applied Materials & Interfaces, 2013, 5, 9998-10003.	8.0	32
128	Module scale-up and performance evaluation of thin film composite hollow fiber membranes for pressure retarded osmosis. Journal of Membrane Science, 2018, 548, 398-407.	8.2	32
129	Synthesis, characterization, and structure of glassy diacetylene-containing segmented block copolyurethanes. Macromolecules, 1992, 25, 672-683.	4.8	31
130	Structure and deformation of high-modulus alumina-zirconia fibres. Journal of Materials Science, 1992, 27, 1409-1416.	3.7	31
131	Synthesis of organically modified mesoporous silica as a low dielectric constant intermetal dielectric. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2036.	1.6	31
132	Organic vapor adsorption behavior of poly(3-butoxythiophene) LB films on quartz crystal microbalance. Thin Solid Films, 2002, 417, 90-94.	1.8	30
133	Syntheses, structures and luminescent properties of Sm (III) and Eu (III) chelates for organic electroluminescent device applications. Journal of Alloys and Compounds, 2003, 358, 235-244.	5.5	30
134	The Effect of TEOS/MTES Ratio on the Structural and Dielectric Properties of Porous Silica Films. Journal of the Electrochemical Society, 2003, 150, F116.	2.9	30
135	Enhanced performance of tris-(8-hydroxyquinoline) aluminum-based organic light-emitting devices with LiF/Mg:Ag/Ag cathode. Optics Express, 2005, 13, 26.	3.4	30
136	Modification of carbon nanotubes by a novel biomimetic approach towards the enhancement of the mechanical properties of polyurethane. Polymer, 2016, 92, 231-238.	3.8	30
137	Effect of layered nano-organosilicate on the gel point rheology of bismaleimide/diallylbisphenol A resin. Polymer, 2005, 46, 2766-2776.	3.8	29
138	Quantum-dot-based biosensor for simultaneous detection of biomarker and therapeutic drug: first steps toward an assay for quantitative pharmacology. Analyst, The, 2012, 137, 1205.	3.5	29
139	Single-Step Process toward Achieving Superhydrophobic Reduced Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 10985-10994.	8.0	29
140	Synthesis, characterization and dual photochroic properties of azo-substituted polythiophene derivatives. Thin Solid Films, 2002, 417, 95-100.	1.8	28
141	Steady-state fluorescence study on release of camptothecin from agar hydrogel. International Journal of Pharmaceutics, 2004, 287, 13-19.	5.2	28
142	Photo-driven pulsating vesicles from self-assembled lipid-like azopolymers. Soft Matter, 2011, 7, 11345.	2.7	28
143	High-Yield Exfoliation of Monolayer 1T'-MoTe <sub>2</sub> as Saturable Absorber for Ultrafast Photonics. ACS Nano, 2021, 15, 18448-18457	14.6	28
144	Effects of shear rate, viscosity ratio and liquid crystalline polymer content on morphological and mechanical properties of polycarbonate and LCP blends. Polymer International, 2002, 51, 398-405.	3.1	27

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145	A pH-sensitive double [60]fullerene-end-capped polymers via ATRP: Synthesis and aggregation behavior. Polymer, 2007, 48, 2312-2321.	3.8	26
146	In-situ growth of titania nanoparticles in electrospun polymer nanofibers at low temperature. Materials Letters, 2009, 63, 1401-1403.	2.6	26
147	Synthesis and characterization of soluble conjugated polymers having pyrene moiety in the main chain. Journal of Polymer Science Part A, 2010, 48, 5562-5569.	2.3	26
148	Synthesis of a Novel Lowâ€Bandgap Polymer Based on a Ladderâ€Type Heptacyclic Arene Consisting of Outer Thieno[3,2â€b]thiophene Units for Efficient Photovoltaic Application. Macromolecular Rapid Communications, 2013, 34, 681-688.	3.9	26
149	Morphology-dependent catalytic properties of nanocupric oxides in the Rochow reaction. Nano Research, 2018, 11, 804-819.	10.4	26
150	Spatial confinement of cobalt crystals in carbon nanofibers with oxygen vacancies as a high-efficiency catalyst for organics degradation. Chemosphere, 2020, 245, 125407.	8.2	26
151	Dependence of fibre strain on orientation angle for off-axis fibres in composites. Journal of Materials Science Letters, 1992, 11, 1344-1346.	0.5	25
152	Sol-gel derived mesoporous silica films used as low dielectric constant materials. Thin Solid Films, 2004, 462-463, 311-315.	1.8	25
153	Effects of the morphology of inkjet printed zinc oxide (ZnO) on thin film transistor performance and seeded ZnO nanorod growth. Thin Solid Films, 2013, 544, 509-514.	1.8	25
154	Impact of amphiphilic triblock copolymers on stability and permeability of phospholipid/polymer hybrid vesicles. Chemical Physics Letters, 2014, 600, 56-61.	2.6	25
155	Effect of synthesis routes on the properties and bactericidal activity of cryogels incorporated with silver nanoparticles. RSC Advances, 2015, 5, 44626-44635.	3.6	25
156	Characterization of fiber length distribution of short-fiber reinforced thermoplastics. Journal of Materials Science Letters, 2001, 20, 31-33.	0.5	24
157	Preparation and optical properties of patternable TiO2/ormosils hybrid films for photonics applications. Chemical Physics Letters, 2003, 369, 354-360.	2.6	24
158	Optical and mechanical properties of sol–gel silica–titania hard optical coatings derived from methyltrimethoxysilane and tetrapropylorthotitanate as precursors. Optical Materials, 2003, 22, 31-37.	3.6	24
159	Flow behaviour and microstructure evolution in novel SiO2/PP/LCP ternary composites: effects of filler properties and mixing sequence. Polymer International, 2003, 52, 276-284.	3.1	24
160	Effect of shear heating during injection molding on the morphology of PC/LCP blends. Acta Materialia, 2003, 51, 6269-6276.	7.9	24
161	Organic light-emitting devices within situpostgrowth annealed organic layers. Applied Physics Letters, 2005, 87, 063505.	3.3	24
162	Triggering compatibility and dispersion by selective plasma functionalized carbon nanotubes to fabricate tough and enhanced Nylon 12 composites. Polymer, 2015, 58, 153-161.	3.8	23

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164	Thermally responsive ionic liquids and polymeric ionic liquids: emerging trends and possibilities. Current Opinion in Chemical Engineering, 2019, 25, 43-50.	7.8	23
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