

# Lingxue Kong

## List of Publications by Year in descending order

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304  
papers

10,806  
citations

26630

56  
h-index

45317

90  
g-index

308  
all docs

308  
docs citations

308  
times ranked

14838  
citing authors

#	ARTICLE	IF	CITATIONS
1	Homogeneous isolation of nanocellulose from sugarcane bagasse by high pressure homogenization. <i>Carbohydrate Polymers</i> , 2012, 90, 1609-1613.	10.2	423
2	Metal organic framework based catalysts for CO <sub>2</sub> conversion. <i>Materials Horizons</i> , 2017, 4, 345-361.	12.2	359
3	A thermal degradation mechanism of polyvinyl alcohol/silica nanocomposites. <i>Polymer Degradation and Stability</i> , 2007, 92, 1061-1071.	5.8	314
4	Release of hazardous nanoplastic contaminants due to microplastics fragmentation under shear stress forces. <i>Journal of Hazardous Materials</i> , 2020, 384, 121393.	12.4	225
5	Uptake and cellular distribution, in four plant species, of fluorescently labeled mesoporous silica nanoparticles. <i>Plant Cell Reports</i> , 2014, 33, 1389-1402.	5.6	213
6	Chitosan-Modified PLGA Nanoparticles with Versatile Surface for Improved Drug Delivery. <i>AAPS PharmSciTech</i> , 2013, 14, 585-592.	3.3	211
7	Engineering antifouling reverse osmosis membranes: A review. <i>Desalination</i> , 2021, 499, 114857.	8.2	192
8	Nucleic Acid Aptamer-Guided Cancer Therapeutics and Diagnostics: the Next Generation of Cancer Medicine. <i>Theranostics</i> , 2015, 5, 23-42.	10.0	184
9	Self-assembled natural rubber/silica nanocomposites: Its preparation and characterization. <i>Composites Science and Technology</i> , 2007, 67, 3130-3139.	7.8	166
10	Mesoporous silica nanoparticles enhance seedling growth and photosynthesis in wheat and lupin. <i>Chemosphere</i> , 2016, 152, 81-91.	8.2	166
11	Promoted water transport across graphene oxide/poly(amide) thin film composite membranes and their antibacterial activity. <i>Desalination</i> , 2015, 365, 126-135.	8.2	164
12	Manufacturing Techniques and Surface Engineering of Polymer Based Nanoparticles for Targeted Drug Delivery to Cancer. <i>Nanomaterials</i> , 2016, 6, 26.	4.1	163
13	Development and evaluation of novel flavour microcapsules containing vanilla oil using complex coacervation approach. <i>Food Chemistry</i> , 2014, 145, 272-277.	8.2	159
14	RNA aptamers targeting cancer stem cell marker CD133. <i>Cancer Letters</i> , 2013, 330, 84-95.	7.2	157
15	Mechanism of a green graphene oxide reduction with reusable potassium carbonate. <i>RSC Advances</i> , 2015, 5, 11966-11972.	3.6	153
16	Superior Performance of Aptamer in Tumor Penetration over Antibody: Implication of Aptamer-Based Theranostics in Solid Tumors. <i>Theranostics</i> , 2015, 5, 1083-1097.	10.0	147
17	Development of chitosan nanoparticles as drug delivery systems for 5-fluorouracil and leucovorin blends. <i>Carbohydrate Polymers</i> , 2011, 85, 698-704.	10.2	142
18	Exosomes and Nanoengineering: A Match Made for Precision Therapeutics. <i>Advanced Materials</i> , 2020, 32, e1904040.	21.0	134

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19	Functionalized Mesoporous Silica Nanoparticles with Redox-Responsive Short-Chain Gatekeepers for Agrochemical Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9937-9946.	8.0	126
20	Mesoporous silica nanoparticles as a biomolecule delivery vehicle in plants. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	115
21	Self-assembled natural rubber/multi-walled carbon nanotube composites using latex compounding techniques. <i>Carbon</i> , 2010, 48, 4497-4503.	10.3	111
22	Inorganic Nanoparticles/Metal Organic Framework Hybrid Membrane Reactors for Efficient Photocatalytic Conversion of CO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 35010-35017.	8.0	111
23	Multifunctional Polymer/Porous Boron Nitride Nanosheet Membranes for Superior Trapping Emulsified Oils and Organic Molecules. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500228.	3.7	106
24	Inflammation and cancer stem cells. <i>Cancer Letters</i> , 2014, 345, 271-278.	7.2	105
25	Aptamers as Theranostic Agents: Modifications, Serum Stability and Functionalisation. <i>Sensors</i> , 2013, 13, 13624-13637.	3.8	104
26	Synthesis and characterization of folate conjugated chitosan and cellular uptake of its nanoparticles in HT-29 cells. <i>Carbohydrate Research</i> , 2011, 346, 801-806.	2.3	102
27	Transport properties of multi-layer fabric based on electrospun nanofiber mats as a breathable barrier textile material. <i>Textile Research Journal</i> , 2012, 82, 70-76.	2.2	102
28	Automatic inspection of metallic surface defects using genetic algorithms. <i>Journal of Materials Processing Technology</i> , 2002, 125-126, 427-433.	6.3	90
29	Homogeneous isolation of nanocellulose from eucalyptus pulp by high pressure homogenization. <i>Industrial Crops and Products</i> , 2017, 104, 237-241.	5.2	88
30	Flexible hybrid structure piezoelectric nanogenerator based on ZnO nanorod/PVDF nanofibers with improved output. <i>RSC Advances</i> , 2019, 9, 10117-10123.	3.6	87
31	Constructing conductive titanium carbide nanosheet (MXene) network on polyurethane/polyacrylonitrile fibre framework for flexible strain sensor. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 1-10.	9.4	86
32	EpCAM Aptamer-mediated Survivin Silencing Sensitized Cancer Stem Cells to Doxorubicin in a Breast Cancer Model. <i>Theranostics</i> , 2015, 5, 1456-1472.	10.0	84
33	High Efficiency Poly(acrylonitrile) Electrospun Nanofiber Membranes for Airborne Nanomaterials Filtration. <i>Advanced Engineering Materials</i> , 2018, 20, 1700572.	3.5	84
34	Seeded growth of ZIF-8 on the surface of carbon nanotubes towards self-supporting gas separation membranes. <i>Journal of Materials Chemistry A</i> , 2013, 1, 9208.	10.3	83
35	Superhydrophobic and Superoleophilic Micro-Wrinkled Reduced Graphene Oxide as a Highly Portable and Recyclable Oil Sorbent. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 9977-9985.	8.0	80
36	Plasmonic substrates for surface enhanced Raman scattering. <i>Analytica Chimica Acta</i> , 2017, 984, 19-41.	5.4	79

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37	A New Insight into Growth Mechanism and Kinetics of Mesoporous Silica Nanoparticles by in Situ Small Angle X-ray Scattering. <i>Langmuir</i> , 2015, 31, 8478-8487.	3.5	78
38	Fabrication of conductive elastic nanocomposites via framing intact interconnected graphene networks. <i>Composites Science and Technology</i> , 2014, 100, 143-151.	7.8	77
39	Understanding water and ion transport behaviour and permeability through poly(amide) thin film composite membrane. <i>Journal of Membrane Science</i> , 2015, 487, 32-39.	8.2	77
40	Wrinkled silica doped electrospun nano-fiber membranes with engineered roughness for advanced aerosol air filtration. <i>Separation and Purification Technology</i> , 2019, 215, 500-507.	7.9	77
41	Nanotechnology and its role in the management of periodontal diseases. <i>Periodontology 2000</i> , 2006, 40, 184-196.	13.4	73
42	Natural rubber nanocomposite reinforced with nano silica. <i>Polymer Engineering and Science</i> , 2008, 48, 1674-1677.	3.1	72
43	Molecular-level dispersion of graphene into epoxidized natural rubber: Morphology, interfacial interaction and mechanical reinforcement. <i>Polymer</i> , 2014, 55, 6803-6810.	3.8	71
44	Transforming doxorubicin into a cancer stem cell killer via EpCAM aptamer-mediated delivery. <i>Theranostics</i> , 2017, 7, 4071-4086.	10.0	70
45	Study on nanocellulose by high pressure homogenization in homogeneous isolation. <i>Fibers and Polymers</i> , 2015, 16, 572-578.	2.1	69
46	Overcoming acquired drug resistance in colorectal cancer cells by targeted delivery of 5-FU with EGF grafted hollow mesoporous silica nanoparticles. <i>Nanoscale</i> , 2015, 7, 14080-14092.	5.6	68
47	Targeted delivery of 5-fluorouracil to HT-29 cells using high efficient folic acid-conjugated nanoparticles. <i>Drug Delivery</i> , 2015, 22, 191-198.	5.7	67
48	Solvent crystallization-induced porous polyurethane/graphene composite foams for pressure sensing. <i>Composites Part B: Engineering</i> , 2020, 194, 108065.	12.0	67
49	Delivery of Abscisic Acid to Plants Using Glutathione Responsive Mesoporous Silica Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 1615-1625.	0.9	66
50	Evolution of moisture management behavior of high-wicking 3D warp knitted spacer fabrics. <i>Fibers and Polymers</i> , 2012, 13, 529-534.	2.1	65
51	Growth of nano-textured graphene coatings across highly porous stainless steel supports towards corrosion resistant coatings. <i>Carbon</i> , 2015, 87, 395-408.	10.3	65
52	Applications of nano-porous graphene materials – critical review on performance and challenges. <i>Materials Horizons</i> , 2020, 7, 1218-1245.	12.2	64
53	CFD modeling of hydrodynamic characteristics of slug bubble flow in a flat sheet membrane bioreactor. <i>Journal of Membrane Science</i> , 2013, 445, 15-24.	8.2	62
54	Synthesis of LiFePO <sub>4</sub> @carbon nanotube core-shell nanowires with a high-energy efficient method for superior lithium ion battery cathodes. <i>Journal of Power Sources</i> , 2015, 291, 209-214.	7.8	62

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55	Single step preparation of meso-porous and reduced graphene oxide by gamma-ray irradiation in gaseous phase. <i>Carbon</i> , 2014, 70, 313-318.	10.3	59
56	Fabrication of high specificity hollow mesoporous silica nanoparticles assisted by Eudragit for targeted drug delivery. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 151-160.	9.4	59
57	Non-isothermal crystallisation kinetics of self-assembled polyvinylalcohol/silica nano-composite. <i>Polymer</i> , 2005, 46, 1949-1955.	3.8	57
58	A theoretical analysis and prediction of pore size and pore size distribution in electrospun multilayer nanofibrous materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 2107-2117.	4.0	57
59	The fabrication and surface functionalization of porous metal frameworks – a review. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15185.	10.3	56
60	Carbon nanotube membranes – Strategies and challenges towards scalable manufacturing and practical separation applications. <i>Separation and Purification Technology</i> , 2021, 257, 117929.	7.9	56
61	Plasma Modification and Synthesis of Membrane Materials – A Mechanistic Review. <i>Membranes</i> , 2018, 8, 56.	3.0	55
62	Significant roles of substrate properties in forward osmosis membrane performance: A review. <i>Desalination</i> , 2022, 528, 115615.	8.2	55
63	Silver nanoparticles prepared by gamma irradiation across metal-organic framework templates. <i>RSC Advances</i> , 2015, 5, 10707-10715.	3.6	52
64	Thermal properties and morphology of a poly(vinyl alcohol)/silica nanocomposite prepared with a self-assembled monolayer technique. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1436-1442.	2.6	51
65	Graphene networks and their influence on free-volume properties of graphene-epoxidized natural rubber composites with a segregated structure: rheological and positron annihilation studies. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12175-12184.	2.8	50
66	High Efficiency Fabrication of Chitosan Composite Nanofibers with Uniform Morphology via Centrifugal Spinning. <i>Polymers</i> , 2019, 11, 1550.	4.5	50
67	Microencapsulation of coupled folate and chitosan nanoparticles for targeted delivery of combination drugs to colon. <i>Journal of Microencapsulation</i> , 2015, 32, 40-45.	2.8	49
68	Modelling the Effect of Carbon Content on Hot Strength of Steels Using a Modified Artificial Neural Network.. <i>ISIJ International</i> , 1998, 38, 1121-1129.	1.4	48
69	Electrically conductive graphene-filled polymer composites with well organized three-dimensional microstructure. <i>Materials Letters</i> , 2014, 121, 74-77.	2.6	48
70	New insight into non-isothermal crystallization of PVA-graphene composites. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 22145-22158.	2.8	48
71	Poly(vinyl alcohol)/Silica Nanocomposites: Morphology and Thermal Degradation Kinetics. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 3934-3938.	0.9	47
72	Degradation of pyrene by immobilized microorganisms in saline-alkaline soil. <i>Journal of Environmental Sciences</i> , 2012, 24, 1662-1669.	6.1	47

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73	Three-dimensional pore structure analysis of Nano/Microfibrous scaffolds using confocal laser scanning microscopy. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 765-774.	4.0	47
74	Calculation of effective pore diameters in porous filtration membranes with image analysis. <i>Robotics and Computer-Integrated Manufacturing</i> , 2008, 24, 427-434.	9.9	46
75	Tuning the grade of graphene: Gamma ray irradiation of free-standing graphene oxide films in gaseous phase. <i>Applied Surface Science</i> , 2014, 322, 126-135.	6.1	46
76	Perforation routes towards practical nano-porous graphene and analogous materials engineering. <i>Carbon</i> , 2019, 155, 660-673.	10.3	46
77	Omniphobic membranes for distillation: Opportunities and challenges. <i>Chinese Chemical Letters</i> , 2021, 32, 3298-3306.	9.0	46
78	Development of constitutive models for metal forming with cyclic strain softening. <i>Journal of Materials Processing Technology</i> , 1999, 89-90, 44-50.	6.3	45
79	Shrinkage induced stretchable micro-wrinkled reduced graphene oxide composite with recoverable conductivity. <i>Carbon</i> , 2015, 93, 878-886.	10.3	45
80	Hybrid graphene-decorated metal hollow fibre membrane reactors for efficient electro-Fenton - Filtration co-processes. <i>Journal of Membrane Science</i> , 2019, 587, 117182.	8.2	45
81	Aptamer-guided extracellular vesicle theranostics in oncology. <i>Theranostics</i> , 2020, 10, 3849-3866.	10.0	45
82	Homogeneous isolation of nanocelluloses by controlling the shearing force and pressure in microenvironment. <i>Carbohydrate Polymers</i> , 2014, 113, 388-393.	10.2	44
83	Photocatalytic degradation of phenanthrene on soil surfaces in the presence of nanometer anatase TiO <sub>2</sub> under UV-light. <i>Journal of Environmental Sciences</i> , 2012, 24, 2122-2126.	6.1	42
84	Ammonium-assisted green fabrication of graphene/natural rubber latex composite. <i>Polymer Composites</i> , 2013, 34, 88-95.	4.6	42
85	Dynamic mechanical analysis of polyvinylalcohol/silica nanocomposite. <i>Synthetic Metals</i> , 2005, 152, 25-28.	3.9	41
86	Functionalization of Hollow Mesoporous Silica Nanoparticles for Improved 5-FU Loading. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-9.	2.7	41
87	Towards integrated anti-microbial capabilities: Novel bio-fouling resistant membranes by high velocity embedment of silver particles. <i>Journal of Membrane Science</i> , 2015, 475, 552-561.	8.2	41
88	Aptamer-mediated survivin RNAi enables 5-fluorouracil to eliminate colorectal cancer stem cells. <i>Scientific Reports</i> , 2017, 7, 5898.	3.3	40
89	Edible films and coatings for shelf life extension of mango: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 2432-2459.	10.3	40
90	Extrapolative prediction of the hot strength of austenitic steels with a combined constitutive and ANN model. <i>Journal of Materials Processing Technology</i> , 2000, 102, 84-89.	6.3	39

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91	Short Review on Porous Metal Membranesâ€”Fabrication, Commercial Products, and Applications. Membranes, 2018, 8, 83.	3.0	39
92	Engineering Schottky-like and heterojunction materials for enhanced photocatalysis performance â€” a review. Materials Advances, 2022, 3, 2309-2323.	5.4	39
93	Thermal Degradation Kinetics and Morphology of Natural Rubber/Silica Nanocomposites. Journal of Nanoscience and Nanotechnology, 2006, 6, 541-546.	0.9	38
94	Hybrid thin film nano-composite membrane reactors for simultaneous separation and degradation of pesticides. Journal of Membrane Science, 2017, 528, 217-224.	8.2	38
95	Fabrication of Pd-TiO <sub>2</sub> nanotube photoactive junctions via Atomic Layer Deposition for persistent pesticide pollutants degradation. Applied Surface Science, 2019, 483, 219-230.	6.1	38
96	Two-Dimensional Simulation of Air Flow in the Transfer Channel of Open-End Rotor Spinning Machines. Textile Research Journal, 1996, 66, 641-650.	2.2	36
97	Functionalization of polyvinyl alcohol hydrogels with graphene oxide for potential dye removal. Journal of Applied Polymer Science, 2014, 131, .	2.6	36
98	Development of drug-loaded chitosanâ€”vanillin nanoparticles and its cytotoxicity against HT-29 cells. Drug Delivery, 2016, 23, 30-35.	5.7	36
99	Electro-capture of heavy metal ions with carbon cloth integrated microfluidic devices. Separation and Purification Technology, 2018, 194, 26-32.	7.9	36
100	Catalytic electrospun nano-composite membranes for virus capture and remediation. Separation and Purification Technology, 2019, 229, 115806.	7.9	36
101	Integrated optimization system for high pressure die casting processes. Journal of Materials Processing Technology, 2008, 201, 629-634.	6.3	35
102	Three-dimensional pore structure analysis of polycaprolactone nano-microfibrous scaffolds using theoretical and experimental approaches. Journal of Biomedical Materials Research - Part A, 2014, 102, 903-910.	4.0	35
103	Decomposition properties of PVA/graphene composites during melting-crystallization. Polymer Degradation and Stability, 2015, 119, 178-189.	5.8	35
104	Reinforcement and deformation behaviors of polyvinyl alcohol/graphene/montmorillonite clay composites. Composites Science and Technology, 2015, 118, 1-8.	7.8	34
105	Relating forward water and reverse salt fluxes to membrane porosity and tortuosity in forward osmosis: CFD modelling. Separation and Purification Technology, 2020, 241, 116727.	7.9	33
106	Waste-derived low-cost ceramic membranes for water treatment: Opportunities, challenges and future directions. Resources, Conservation and Recycling, 2022, 185, 106497.	10.8	33
107	Integrated membrane system without adding chemicals for produced water desalination towards zero liquid discharge. Desalination, 2020, 496, 114693.	8.2	32
108	Characterization of carbon nanotube webs and yarns with small angle X-ray scattering: Revealing the yarn twist and inter-nanotube interactions and alignment. Carbon, 2013, 63, 562-566.	10.3	31

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109	Controlled porosity and pore size of nano-porous gold by thermally assisted chemical dealloying – a SAXS study. RSC Advances, 2017, 7, 10821-10830.	3.6	30
110	Nanofiber-Based Materials for Persistent Organic Pollutants in Water Remediation by Adsorption. Applied Sciences (Switzerland), 2018, 8, 166.	2.5	29
111	Dual-Cross-Linked Network Hydrogels with Multiresponsive, Self-Healing, and Shear Strengthening Properties. Biomacromolecules, 2021, 22, 800-810.	5.4	29
112	Development of a contact probe incorporating a Bragg grating strain sensor for nano coordinate measuring machines. Measurement Science and Technology, 2009, 20, 095304.	2.6	28
113	Tuning micro-wrinkled graphene films for stretchable conductors of controllable electrical conductivity. Carbon, 2018, 139, 672-679.	10.3	28
114	Ultra-high volumetric capacitance biomorphic porous carbon material derived from mold. Materials Letters, 2016, 184, 252-256.	2.6	27
115	Functional Nanofibrous Biomaterials of Tailored Structures for Drug Delivery – A Critical Review. Pharmaceutics, 2020, 12, 522.	4.5	27
116	Structure retention in cross-linked poly(ethylene glycol) diacrylate hydrogel templated from a hexagonal lyotropic liquid crystal by controlling the surface tension. Soft Matter, 2012, 8, 2087-2094.	2.7	26
117	Preparation of size-selective Mn <sub>3</sub> O <sub>4</sub> hexagonal nanoplates with superior electrochemical properties for pseudocapacitors. Physical Chemistry Chemical Physics, 2015, 17, 23017-23025.	2.8	26
118	Atomically-thin Schottky-like photo-electrocatalytic cross-flow membrane reactors for ultrafast remediation of persistent organic pollutants. Water Research, 2022, 218, 118519.	11.3	26
119	Microencapsulation of nanoparticles with enhanced drug loading for pH-sensitive oral drug delivery for the treatment of colon cancer. Journal of Applied Polymer Science, 2013, 129, 714-720.	2.6	25
120	Fibre transportation in confined channel with recirculations. Computers and Structures, 2000, 78, 237-245.	4.4	24
121	Atomically Thin Boron Nitride as an Ideal Spacer for Metal-Enhanced Fluorescence. ACS Nano, 2019, 13, 12184-12191.	14.6	24
122	Effects of Fiber Opening on the Uniformity of Rotor Spun Yarns. Textile Research Journal, 1996, 66, 30-36.	2.2	22
123	Homogeneous Isolation of Nanocellulose from Cotton Cellulose by High Pressure Homogenization. Journal of Materials Science and Chemical Engineering, 2013, 01, 49-52.	0.4	22
124	On-line tool condition monitoring and control system in forging processes. Journal of Materials Processing Technology, 2002, 125-126, 464-470.	6.3	21
125	Improved 3D Thinning Algorithms for Skeleton Extraction. , 2009, , .		21
126	3-Dimensional characterization of membrane with nanoporous structure using TEM tomography and image analysis. Desalination, 2010, 250, 757-761.	8.2	21



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127	Enhanced Visible Light Sensitization of N-Doped TiO <sub>2</sub> Nanotubes Containing Ti-Oxynitride Species Fabricated via Electrochemical Anodization of Titanium Nitride. <i>Journal of Physical Chemistry C</i> , 2019, 123, 2189-2201.	3.1	21
128	Meltblown fabric vs nanofiber membrane, which is better for fabricating personal protective equipments. <i>Chinese Journal of Chemical Engineering</i> , 2021, 36, 1-9.	3.5	21
129	Waste-derived carbon fiber membrane with hierarchical structures for enhanced oil-in-water emulsion separation: Performance and mechanisms. <i>Journal of Membrane Science</i> , 2022, 653, 120543.	8.2	21
130	Viscoplastic behaviour of porous bronzes and irons. <i>Journal of Materials Processing Technology</i> , 2001, 113, 574-580.	6.3	20
131	The growth of high density network of MOF nano-crystals across macroporous metal substrates – Solvothermal synthesis versus rapid thermal deposition. <i>Applied Surface Science</i> , 2018, 427, 401-408.	6.1	20
132	Synthesis of nitrogen-doped carbon nanotubes-FePO <sub>4</sub> composite from phosphate residue and its application as effective Fenton-like catalyst for dye degradation. <i>Journal of Environmental Sciences</i> , 2019, 76, 188-198.	6.1	20
133	Regulation of HbPIP <sub>2</sub> ;3, a Latex-Abundant Water Transporter, Is Associated with Latex Dilution and Yield in the Rubber Tree ( <i>Hevea brasiliensis</i> Muell. Arg.). <i>PLoS ONE</i> , 2015, 10, e0125595.	2.5	20
134	Natural rubber/multiwalled carbon nanotube composites developed with a combined self-assembly and latex compounding technique. <i>Journal of Applied Polymer Science</i> , 2012, 125, 3920-3928.	2.6	19
135	Scale invariant texture classification via sparse representation. <i>Neurocomputing</i> , 2013, 122, 338-348.	5.9	19
136	Deriving site-specific water quality criteria for ammonia from national versus international toxicity data. <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 665-676.	6.0	19
137	Stimulation of photosynthesis and enhancement of growth and yield in <i>Arabidopsis thaliana</i> treated with amine-functionalized mesoporous silica nanoparticles. <i>Plant Physiology and Biochemistry</i> , 2020, 156, 566-577.	5.8	19
138	Constitutive modelling of extrusion of lead with cyclic torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 276, 32-38.	5.6	18
139	Investigation of hybrid ion-exchange membranes reinforced with non-woven metal meshes for electro-dialysis applications. <i>Separation and Purification Technology</i> , 2015, 147, 353-363.	7.9	18
140	The Application of Constitutive and Artificial Neural Network Models to Predict the Hot Strength of Steels. <i>ISIJ International</i> , 1999, 39, 991-998.	1.4	17
141	Material properties under drawing and extrusion with cyclic torsion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001, 308, 209-215.	5.6	17
142	Thermal degradation kinetics and mechanism of epoxidized natural rubber. <i>Journal of Polymer Engineering</i> , 2013, 33, 331-335.	1.4	17
143	A novel approach to determining piezoelectric properties of nanogenerators based on PVDF nanofibers using iterative finite element simulation for walking energy harvesting. <i>Journal of Industrial Textiles</i> , 2022, 51, 531S-553S.	2.4	17
144	Electro-catalytic membrane reactors for the degradation of organic pollutants – a review. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1508-1526.	3.7	17

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145	Morphology of self-assembled polyvinyl alcohol/Silica nanocomposites studied with atomic force microscopy. <i>Polymer Bulletin</i> , 2007, 59, 207-216.	3.3	16
146	Improved Efficacy and Reduced Toxicity of Doxorubicin Encapsulated in Sulfatide-Containing Nanoliposome in a Glioma Model. <i>PLoS ONE</i> , 2014, 9, e103736.	2.5	16
147	Composite yarns fabricated from continuous needleless electrospun nanofibers. <i>Polymer Engineering and Science</i> , 2014, 54, 1495-1502.	3.1	16
148	Novel Ultrathin Nanoflake Assembled Porous MnO <sub>2</sub> /Carbon Strip Microspheres for Superior Pseudocapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 2191-2197.	6.7	16
149	Mixed Matrix Poly(Vinyl Alcohol)-Copper Nanofibrous Anti-Microbial Air-Microfilters. <i>Membranes</i> , 2019, 9, 87.	3.0	16
150	pH-responsive ultrasonic self-assembly spinosad-loaded nanomicelles and their antifungal activity to <i>Fusarium oxysporum</i> . <i>Reactive and Functional Polymers</i> , 2019, 141, 123-132.	4.1	16
151	Computational simulation of gas flow and heat transfer near an immersed object in fluidized beds. <i>Advances in Engineering Software</i> , 2007, 38, 826-834.	3.8	15
152	Simultaneous crystallization and decomposition of PVA/MMT composites during non-isothermal process. <i>Thermochimica Acta</i> , 2015, 618, 26-35.	2.7	15
153	Selective removal of anionic dyes using poly(N,N-dimethyl amino ethylmethacrylate) functionalized graphene oxide. <i>RSC Advances</i> , 2016, 6, 67242-67251.	3.6	15
154	Nanoscale 2D semi-conductors – Impact of structural properties on light propagation depth and photocatalytic performance. <i>Separation and Purification Technology</i> , 2021, 258, 118011.	7.9	15
155	Multi-Functional Core-Shell Nanofibers for Wound Healing. <i>Nanomaterials</i> , 2021, 11, 1546.	4.1	15
156	Numerical simulation of heat and mass transfer in fluidised bed heat treatment furnaces. <i>Journal of Materials Processing Technology</i> , 2002, 125-126, 170-178.	6.3	14
157	Influence of the Geometry of an Immersed Steel Workpiece on Mass Transfer Coefficient in a Chemical Heat Treatment Fluidised Bed. <i>ISIJ International</i> , 2004, 44, 869-877.	1.4	14
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