Jianhuan Zhang

List of Publications by Year
in descending order

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414 papers	8,929 citations	50170 46 h-index	66788 78 g-index
422 all docs	422 docs citations	422 times ranked	11784 citing authors

#	Article	IF	Citations
1	Full-color fluorescent carbon quantum dots. Science Advances, 2020, 6, .	4.7	344
2	Composites of Polymer Hydrogels and Nanoparticulate Systems for Biomedical and Pharmaceutical Applications. Nanomaterials, 2015, 5, 2054-2130.	1.9	297
3	Three-dimensional printing of strontium-containing mesoporous bioactive glass scaffolds for bone regeneration. Acta Biomaterialia, 2014, 10, 2269-2281.	4.1	278
4	3D-printed magnetic Fe₃O₄/MBG/PCL composite scaffolds with multifunctionality of bone regeneration, local anticancer drug delivery and hyperthermia. Journal of Materials Chemistry B, 2014, 2, 7583-7595.	2.9	245
5	Facile Access to Multisensitive and Self-Healing Hydrogels with Reversible and Dynamic Boronic Ester and Disulfide Linkages. Biomacromolecules, 2017, 18, 1356-1364.	2.6	190
6	A flexible pressure sensor based on an MXeneâ€“textile network structure. Journal of Materials Chemistry C, 2019, 7, 1022-1027.	2.7	183
7	Highly Sensitive Flexible Piezoresistive Pressure Sensor Developed Using Biomimetically Textured Porous Materials. ACS Applied Materials & Interfaces, 2019, 11, 29466-29473.	4.0	171
8	PEG-b-PCL Copolymer Micelles with the Ability of pH-Controlled Negative-to-Positive Charge Reversal for Intracellular Delivery of Doxorubicin. Biomacromolecules, 2014, 15, 4281-4292.	2.6	163
9	Perovskite/Organic Semiconductor-Based Photonic Synaptic Transistor for Artificial Visual System. ACS Applied Materials & Interfaces, 2020, 12, 39487-39495.	4.0	155
10	Three-dimensional printed strontium-containing mesoporous bioactive glass scaffolds for repairing rat critical-sized calvarial defects. Acta Biomaterialia, 2015, 12, 270-280.	4.1	138
11	Erythrocyte membrane-coated nanogel for combinatorial antivirulence and responsive antimicrobial delivery against Staphylococcus aureus infection. Journal of Controlled Release, 2017, 263, 185-191.	4.8	136
12	Covalent Organic Frameworks: From Materials Design to Biomedical Application. Nanomaterials, 2018, 8, 15.	1.9	134
13	Recent Progress in Photonic Synapses for Neuromorphic Systems. Advanced Intelligent Systems, 2020, 2, 1900136.	3.3	132
14	3D-printed hierarchical scaffold for localized isoniazid/rifampin drug delivery and osteoarticular tuberculosis therapy. Acta Biomaterialia, 2015, 16, 145-155.	4.1	114
15	A Bioadhesive Nanoparticleâ€“Hydrogel Hybrid System for Localized Antimicrobial Drug Delivery. ACS Applied Materials & Interfaces, 2016, 8, 18367-18374.	4.0	110
16	An injectable particle-hydrogel hybrid system for glucose-regulatory insulin delivery. Acta Biomaterialia, 2017, 64, 334-345.	4.1	97
17	Three dimensionally printed mesoporous bioactive glass and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds for bone regeneration. Journal of Materials Chemistry B, 2014, 2, 6106.	2.9	91
18	Optimization of mechanical stiffness and cell density of 3D bioprinted cell-laden scaffolds improves extracellular matrix mineralization and cellular organization for bone tissue engineering. Acta Biomaterialia, 2020, 114, 307-322.	4.1	89

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19	Textile coatings configured by double-nanoparticles to optimally couple superhydrophobic and antibacterial properties. Chemical Engineering Journal, 2021, 420, 127680.	6.6	84
20	DOX/ICG Coencapsulated Liposome-Coated Thermosensitive Nanogels for NIR-Triggered Simultaneous Drug Release and Photothermal Effect. ACS Biomaterials Science and Engineering, 2018, 4, 2424-2434.	2.6	83
21	N-alkylated chitosan/graphene oxide porous sponge for rapid and effective hemostasis in emergency situations. Carbohydrate Polymers, 2019, 219, 405-413.	5.1	83
22	3D Bioprinting of Human Tissues: Biofabrication, Bioinks, and Bioreactors. International Journal of Molecular Sciences, 2021, 22, 3971.	1.8	83
23	Outage Probability of Decode-and-Forward Cognitive Relay in Presence of Primary User's Interference. IEEE Communications Letters, 2012, 16, 1252-1255.	2.5	82
24	Bioadhesive film formed from a novel organicâ€“inorganic hybrid gel for transdermal drug delivery system. European Journal of Pharmaceutics and Biopharmaceutics, 2011, 79, 574-583.	2.0	81
25	Poly(ethyleneglycol)-b-Poly(Îµ-caprolactone-co-Î³-hydroxyl-Îµ- caprolactone) Bearing Pendant Hydroxyl Groups as Nanocarriers for Doxorubicin Delivery. Biomacromolecules, 2012, 13, 3301-3310.	2.6	80
26	Composites of electrospunâ€fibers and hydrogels: A potential solution to current challenges in biological and biomedical field. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 640-656.	1.6	79
27	Stable green phosphorescence organic light-emitting diodes with low efficiency roll-off using a novel bipolar thermally activated delayed fluorescence material as host. Chemical Science, 2017, 8, 1259-1268.	3.7	77
28	Adjustable degradation and drug release of a thermosensitive hydrogel based on a pendant cyclic ether modified poly(Îµ-caprolactone) and poly(ethylene glycol)co-polymer. Acta Biomaterialia, 2012, 8, 3963-3973.	4.1	76
29	A new strategy to effectively alleviate volume expansion and enhance the conductivity of hierarchical MnO@C nanocomposites for lithium ion batteries. Journal of Materials Chemistry A, 2017, 5, 21699-21708.	5.2	74
30	pH-Sensitive Nanomicelles for High-Efficiency siRNA Delivery in Vitro and in Vivo: An Insight into the Design of Polycations with Robust Cytosolic Release. Nano Letters, 2016, 16, 6916-6923.	4.5	71
31	Substitutions of strontium in mesoporous calcium silicate and their physicochemical and biological properties. Acta Biomaterialia, 2013, 9, 6723-6731.	4.1	66
32	Improving the oral delivery efficiency of anticancer drugs by chitosan coated polycaprolactone-grafted hyaluronic acid nanoparticles. Journal of Materials Chemistry B, 2014, 2, 4021-4033.	2.9	64
33	Facile Fabrication of Redoxâ€Responsive Covalent Organic Framework Nanocarriers for Efficiently Loading and Delivering Doxorubicin. Macromolecular Rapid Communications, 2020, 41, e1900570.	2.0	64
34	Synthesis of Nanogels via Cell Membraneâ€Templated Polymerization. Small, 2015, 11, 4309-4313.	5.2	63
35	Effects of hydrophobic core components in amphiphilic PDMAEMA nanoparticles on siRNA delivery. Biomaterials, 2015, 48, 45-55.	5.7	63
36	Comb-like Amphiphilic Copolymers Bearing Acetal-Functionalized Backbones with the Ability of Acid-Triggered Hydrophobic-to-Hydrophilic Transition as Effective Nanocarriers for Intracellular Release of Curcumin. Biomacromolecules, 2013, 14, 3973-3984.	2.6	59

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37	Pollen-Shaped Hierarchical Structure for Pressure Sensors with High Sensitivity in an Ultrabroad Linear Response Range. ACS Applied Materials & Interfaces, 2020, 12, 55362-55371.	4.0	58
38	<scp>Spectrumâ€dependent</scp> photonic synapses based on <scp>2D</scp> imine polymers for <scp>powerâ€efficient</scp> neuromorphic computing. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 904-916.	8.5	57
39	Graft Copolymer Nanoparticles with pH and Reduction Dual-Induced Disassemblable Property for Enhanced Intracellular Curcumin Release. ACS Applied Materials & Interfaces, 2013, 5, 13216-13226.	4.0	55
40	Injectable, Biodegradable, Thermosensitive Nanoparticles-Aggregated Hydrogel with Tumor-Specific Targeting, Penetration, and Release for Efficient Postsurgical Prevention of Tumor Recurrence. ACS Applied Materials & Interfaces, 2019, 11, 19700-19711.	4.0	55
41	Electrospun Yb-Doped In₂O₃ Nanofiber Field-Effect Transistors for Highly Sensitive Ethanol Sensors. ACS Applied Materials & Interfaces, 2020, 12, 38425-38434.	4.0	55
42	Alginate dependent changes of physical properties in 3D bioprinted cell-laden porous scaffolds affect cell viability and cell morphology. Biomedical Materials (Bristol), 2019, 14, 065009.	1.7	53
43	pH-sensitive nanoparticles prepared from amphiphilic and biodegradable methoxy poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Chemistry, 2013, 4, 1430-1438.	1.9	50
44	An injectable and tumor-specific responsive hydrogel with tissue-adhesive and nanomedicine-releasing abilities for precise locoregional chemotherapy. Acta Biomaterialia, 2019, 96, 123-136.	4.1	50
45	Surface Coating Constraint Induced Anisotropic Swelling of Silicon in Siâ€“Void@SiO_x Nanowire Anode for Lithiumâ€ion Batteries. Small, 2017, 13, 1603754.	5.2	49
46	A reconstituted â€œtwo into oneâ€•thermosensitive hydrogel system assembled by drug-loaded amphiphilic copolymernanoparticles for the local delivery of paclitaxel. Journal of Materials Chemistry B, 2013, 1, 552-563.	2.9	48
47	Effects of functional groups on the structure, physicochemical and biological properties of mesoporous bioactive glass scaffolds. Journal of Materials Chemistry B, 2015, 3, 1612-1623.	2.9	47
48	Three-dimensional printing of cerium-incorporated mesoporous calcium-silicate scaffolds for bone repair. Journal of Materials Science, 2016, 51, 836-844.	1.7	46
49	High-Performance 1-V ZnO Thin-Film Transistors With Ultrathin, ALD-Processed ZrO₂Gate Dielectric. IEEE Transactions on Electron Devices, 2019, 66, 3382-3386.	1.6	46
50	Tailor-made compositional gradient copolymer by a many-shot RAFT emulsion polymerization method. Polymer Chemistry, 2014, 5, 3363-3371.	1.9	45
51	Synergistic dual-pH responsive copolymer micelles for pH-dependent drug release. Nanoscale, 2016, 8, 1437-1450.	2.8	45
52	Artificial Synapse Emulated through Fully Aqueous Solution-Processed Low-Voltage In₂O₃ Thin-Film Transistor with Gd₂O₃ Solid Electrolyte. ACS Applied Materials & Interfaces, 2020, 12, 980-988.	4.0	45
53	Skin-Adaptable, Long-Lasting Moisture, and Temperature-Tolerant Hydrogel Dressings for Accelerating Burn Wound Healing without Secondary Damage. ACS Applied Materials & Interfaces, 2021, 13, 59695-59707.	4.0	45
54	The study of relationships between pKa value and siRNA delivery efficiency based on tri-block copolymers. Biomaterials, 2018, 176, 84-93.	5.7	44

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55	Outage Probability of Two-Hop Fixed-Gain Relay with Interference at the Relay and Destination. IEEE Communications Letters, 2011, 15, 608-610.	2.5	43
56	Amphiphilic Polyelectrolyte/Prodrug Nanoparticles Constructed by Synergetic Electrostatic and Hydrophobic Interactions with Cooperative pH-Sensitivity for Controlled Doxorubicin Delivery. ACS Applied Materials & Interfaces, 2015, 7, 6340-6350.	4.0	43
57	A Multitasking Hydrogel Based on Double Dynamic Network with Quadrupleâ€Stimuli Sensitiveness, Autonomic Selfâ€Healing Property, and Biomimetic Adhesion Ability. Macromolecular Chemistry and Physics, 2017, 218, 1700166.	1.1	43
58	An injectable nanocomposite hydrogel co-constructed with gold nanorods and paclitaxel-loaded nanoparticles for local chemo-photothermal synergetic cancer therapy. Journal of Materials Chemistry B, 2019, 7, 2667-2677.	2.9	43
59	Reactive oxygen species (ROS) responsive PEGâ€“PCL nanoparticles with pH-controlled negative-to-positive charge reversal for intracellular delivery of doxorubicin. Journal of Materials Chemistry B, 2015, 3, 9397-9408.	2.9	42
60	Tumor Microenvironment Activated Membrane Fusogenic Liposome with Speedy Antibody and Doxorubicin Delivery for Synergistic Treatment of Metastatic Tumors. ACS Applied Materials & Interfaces, 2017, 9, 9315-9326.	4.0	42
61	A novel transdermal drug delivery system based on self-adhesive Janus nanofibrous film with high breathability and monodirectional water-penetration. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 713-728.	1.9	41
62	Research Progress of Polyvinyl Alcohol Water-Resistant Film Materials. Membranes, 2022, 12, 347.	1.4	41
63	A strategy for oral chemotherapy via dual pH-sensitive polyelectrolyte complex nanoparticles to achieve gastric survivability, intestinal permeability, hemodynamic stability and intracellular activity. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 97, 107-117.	2.0	40
64	Electrospinning of Ibuprofen-Loaded Composite Nanofibers for Improving the Performances of Transdermal Patches. Journal of Nanoscience and Nanotechnology, 2013, 13, 3855-3863.	0.9	39
65	Thin film encapsulation for organic light-emitting diodes using inorganic/organic hybrid layers by atomic layer deposition. Nanoscale Research Letters, 2015, 10, 169.	3.1	39
66	Inhibition of oxidative phosphorylation for enhancing citric acid production by Aspergillus niger. Microbial Cell Factories, 2015, 14, 7.	1.9	38
67	Novel Bipolar Indole-Based Solution-Processed Host Material for Efficient Green and Red Phosphorescent OLEDs. ACS Applied Materials & Interfaces, 2017, 9, 14112-14119.	4.0	38
68	Low-temperature combustion synthesis and UV treatment processed p-type Li:NiO_x active semiconductors for high-performance electronics. Journal of Materials Chemistry C, 2018, 6, 12584-12591.	2.7	38
69	Screening and Matching Amphiphilic Cationic Polymers for Efficient Antibiosis. Biomacromolecules, 2020, 21, 5269-5281.	2.6	38
70	Effect of Two-Step Annealing on High Stability of a-IGZO Thin-Film Transistor. IEEE Transactions on Electron Devices, 2020, 67, 4262-4268.	1.6	38
71	Acetylcholinesterase electrochemical biosensors with graphene-transition metal carbides nanocomposites modified for detection of organophosphate pesticides. PLoS ONE, 2020, 15, e0231981.	1.1	37
72	Strategies and applications of covalent organic frameworks as promising nanoplatforms in cancer therapy. Journal of Materials Chemistry B, 2021, 9, 3450-3483.	2.9	36

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73	Superhydrophobic and superhydrophilic polyurethane sponge for wound healing. Chemical Engineering Journal, 2022, 446, 136985.	6.6	36
74	Thermosensitive hydrogel system assembled by PTX-loaded copolymer nanoparticles for sustained intraperitoneal chemotherapy of peritoneal carcinomatosis. European Journal of Pharmaceutics and Biopharmaceutics, 2016, 104, 251-259.	2.0	35
75	Surface crystallization and magnetic properties of FeCuSiBNbMo melt-spun nanocrystalline alloys. Materials Research Bulletin, 2017, 96, 275-280.	2.7	35
76	Novel dual-functional coating with underwater self-healing and anti-protein-fouling properties by combining two kinds of microcapsules and a zwitterionic copolymer. Progress in Organic Coatings, 2019, 127, 211-221.	1.9	35
77	Rational Design of Nanoparticles to Overcome Poor Tumor Penetration and Hypoxia-Induced Chemotherapy Resistance: Combination of Optimizing Size and Self-Inducing High Level of Reactive Oxygen Species. ACS Applied Materials & Interfaces, 2019, 11, 31743-31754.	4.0	32
78	Enhanced Stability in Zr-Doped ZnO TFTs With Minor Influence on Mobility by Atomic Layer Deposition. IEEE Transactions on Electron Devices, 2019, 66, 1760-1765.	1.6	32
79	Dual-crosslinked nanocomposite hydrogels based on quaternized chitosan and clindamycin-loaded hyperbranched nanoparticles for potential antibacterial applications. International Journal of Biological Macromolecules, 2020, 155, 153-162.	3.6	32
80	Development of FeSiBNbCu Nanocrystalline Soft Magnetic Alloys with High B s and Good Manufacturability. Journal of Electronic Materials, 2016, 45, 4913-4918.	1.0	31
81	Bright Blue Lightâ€Emitting Doped Cesium Bromide Nanocrystals: Alternatives of Leadâ€Free Perovskite Nanocrystals for White LEDs. Advanced Optical Materials, 2019, 7, 1900108.	3.6	31
82	Liâ€Ion Doping as a Strategy to Modulate the Electricalâ€Doubleâ€Layer for Improved Memory and Learning Behavior of Synapse Transistor Based on Fully Aqueousâ€Solutionâ€Processed In₂O₃/AlLiO Film. Advanced Electronic Materials, 2020, 6, 1901363.	2.6	31
83	Contribution of hydrophobic/hydrophilic modification on cationic chains of poly(Îµ-caprolactone)-graft-poly(dimethylamino ethylmethacrylate) amphiphilic co-polymer in gene delivery. Acta Biomaterialia, 2014, 10, 670-679.	4.1	30
84	Co-assembled and self-delivered epitope/CpG nanocomplex vaccine augments peptide immunogenicity for cancer immunotherapy. Chemical Engineering Journal, 2020, 399, 125854.	6.6	29
85	Stabilizing Lithiumâ€“Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. Small, 2018, 14, e1703816.	5.2	28
86	Epsilon-poly-L-lysine: Recent Advances in Biomanufacturing and Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 748976.	2.0	28
87	Pronounced enhancement of glass-forming ability of Feâ€“Siâ€“Bâ€“P bulk metallic glass in oxygen atmosphere. Journal of Materials Research, 2014, 29, 1217-1222.	1.2	27
88	Synthesis and characterization of CeO2-incorporated mesoporous calcium-silicate materials. Microporous and Mesoporous Materials, 2014, 197, 244-251.	2.2	27
89	Elaboration on the Distribution of Hydrophobic Segments in the Chains of Amphiphilic Cationic Polymers for Small Interfering RNA Delivery. ACS Applied Materials & Interfaces, 2017, 9, 32463-32474.	4.0	27
90	Modulating the rigidity of nanoparticles for tumor penetration. Chemical Communications, 2018, 54, 3014-3017.	2.2	27

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91	A Modular Coassembly Approach to All-In-One Multifunctional Nanoplatform for Synergistic Codelivery of Doxorubicin and Curcumin. Nanomaterials, 2018, 8, 167.	1.9	27
92	An acetylcholinesterase biosensor with high stability and sensitivity based on silver nanowireâ€“grapheneâ€“TiO₂ for the detection of organophosphate pesticides. RSC Advances, 2019, 9, 25248-25256.	1.7	27
93	Light-Stimulated Artificial Synapse with Memory and Learning Functions by Utilizing an Aqueous Solution-Processed In₂O₃/AlLiO Thin-Film Transistor. ACS Applied Electronic Materials, 2020, 2, 2772-2779.	2.0	27
94	A security mechanism of Web Services-based communication for wind power plants. , 2008, , .		26
95	Evaluation of Bacillus sp. MZS10 for decolorizing Azure B dye and its decolorization mechanism. Journal of Environmental Sciences, 2014, 26, 1125-1134.	3.2	26
96	Effect of surface crystallization on magnetic properties of Fe 82 Cu 1 Si 4 B 11.5 Nb 1.5 nanocrystalline alloy ribbons. Journal of Magnetism and Magnetic Materials, 2017, 438, 126-131.	1.0	26
97	Ultrathin amorphous ZnGexSnO films for high performance ultra-thin-film transistors. Applied Physics Letters, 2018, 113, .	1.5	26
98	Solution Processed Amorphous ZnSnO Thin-Film Phototransistors. IEEE Transactions on Electron Devices, 2017, 64, 206-210.	1.6	25
99	Layer-by-layer zwitterionic modification of diverse substrates with durable anti-corrosion and anti-fouling properties. Journal of Materials Chemistry B, 2019, 7, 6024-6034.	2.9	25
100	Sequential thermo-induced self-gelation and acid-triggered self-release process of drug-conjugated nanoparticles: a strategy for the sustained and controlled drug delivery to tumors. Journal of Materials Chemistry B, 2013, 1, 4667.	2.9	24
101	Supramolecular Hydrogel from Nanoparticles and Cyclodextrins for Local and Sustained Nanoparticle Delivery. Macromolecular Bioscience, 2016, 16, 1188-1199.	2.1	24
102	Scalable Solution-Processed Fabrication Approach for High-Performance Silver Nanowire/MXene Hybrid Transparent Conductive Films. Nanomaterials, 2021, 11, 1360.	1.9	24
103	High-Efficiency Near Ultraviolet and Blue Organic Light-Emitting Diodes Using Star-Shaped Material as Emissive and Hosting Molecules. Journal of Display Technology, 2014, 10, 642-646.	1.3	23
104	Indoor Office Propagation Measurements and Path Loss Models at 5.25 GHz. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	22
105	In vitro Enhancement of Lactate Esters on the Percutaneous Penetration of Drugs with Different Lipophilicity. AAPS PharmSciTech, 2010, 11, 894-903.	1.5	22
106	Temperature-responsive in situ nanoparticle hydrogels based on hydrophilic pendant cyclic ether modified PEG-PCL-PEG. Biomaterials Science, 2016, 4, 1493-1502.	2.6	22
107	The Influence of Hafnium Doping on Density of States in Zinc Oxide Thin-Film Transistors Deposited via Atomic Layer Deposition. Nanoscale Research Letters, 2017, 12, 63.	3.1	22
108	Nitrogen-Doped ZnO Film Fabricated Via Rapid Low-Temperature Atomic Layer Deposition for High-Performance ZnON Transistors. IEEE Transactions on Electron Devices, 2018, 65, 3283-3290.	1.6	22

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109	Solution-Processed Yttrium-Doped IZTO Semiconductors for High-Stability Thin Film Transistor Applications. IEEE Transactions on Electron Devices, 2019, 66, 5170-5176.	1.6	22
110	Influence of hot pressing sintering temperature and time on microstructure and mechanical properties of TiB2/TiN tool material. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 545, 1-5.	2.6	21
111	Poly(vinyl alcohol) electrospun nanofibrous membrane modified with spirolactamâ€“rhodamine derivatives for visible detection and removal of metal ions. RSC Advances, 2014, 4, 51381-51388.	1.7	21
112	Supramolecular hydrogel based on high-solid-content mPECT nanoparticles and cyclodextrins for local and sustained drug delivery. Biomaterials Science, 2017, 5, 698-706.	2.6	21
113	Smart Obstacle Avoidance Using a Danger Index for a Dynamic Environment. Applied Sciences (Switzerland), 2019, 9, 1589.	1.3	21
114	Addition of Alâ€“Tiâ€“B master alloys to improve the performances of alumina matrix ceramic materials. Ceramics International, 2007, 33, 1319-1324.	2.3	20
115	A Novel Hydrophilic Adhesive Matrix with Self-Enhancement for Drug Percutaneous Permeation Through Rat Skin. Pharmaceutical Research, 2009, 26, 1398-1406.	1.7	20
116	Glutathione-induced amino-activatable micellar photosensitization platform for synergistic redox modulation and photodynamic therapy. Biomaterials Science, 2018, 6, 1238-1249.	2.6	20
117	Highly-efficient solution-processed green phosphorescent organic light-emitting diodes with reduced efficiency roll-off using ternary blend hosts. Journal of Materials Chemistry C, 2019, 7, 11109-11117.	2.7	20
118	Carbazyl RAFT agents synthesized by an improved aqueous phase method and their applications in RAFT polymerization. European Polymer Journal, 2008, 44, 1071-1080.	2.6	19
119	Separation and quantification of dead species in styrene RAFT polymerization by gradient polymer elution chromatography. Polymer Chemistry, 2012, 3, 1314.	1.9	19
120	Preparation and characterization of multifunctional magnetic mesoporous calcium silicate materials. Science and Technology of Advanced Materials, 2013, 14, 055009.	2.8	19
121	Design of mesoporous bioactive glass/hydroxyapatite composites for controllable co-delivery of chemotherapeutic drugs and proteins. Materials Letters, 2014, 115, 194-197.	1.3	19
122	A simple and efficient approach to fabricate graphene/CNT hybrid transparent conductive films. RSC Advances, 2017, 7, 52555-52560.	1.7	19
123	Oleanolic acid inhibits cell proliferation migration and invasion and induces SW579 thyroid cancer cell line apoptosis by targeting forkhead transcription factor A. Anti-Cancer Drugs, 2019, 30, 812-820.	0.7	19
124	Enhanced dielectric properties of CCTO ceramics doped by different halogen elements. Journal of Materials Science: Materials in Electronics, 2020, 31, 8481-8488.	1.1	19
125	Highly Stable Grapheneâ€Based Flexible Hybrid Transparent Conductive Electrodes for Organic Solar Cells. Advanced Materials Interfaces, 2022, 9, .	1.9	19
126	Isometric scaling of above- and below-ground biomass at the individual and community levels in the understorey of a sub-tropical forest. Annals of Botany, 2015, 115, 303-313.	1.4	18

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127	Structural Mediation on Polycation Nanoparticles by Sulfadiazine to Enhance DNA Transfection Efficiency and Reduce Toxicity. ACS Applied Materials & Interfaces, 2015, 7, 7542-7551.	4.0	18
128	Effect of O2 plasma treatment on density-of-states in a-IGZO thin film transistors. Electronic Materials Letters, 2017, 13, 45-50.	1.0	18
129	Mechanistic insights into tunable luminescence and persistent luminescence of the full-color-emitting BCNO phosphors. Carbon, 2017, 122, 176-184.	5.4	18
130	Enhanced Flexible Piezoelectric Sensor by the Integration of P(VDF-TrFE)/AgNWs Film With a-IGZO TFT. IEEE Electron Device Letters, 2018, , 1-1.	2.2	18
131	Liposomesâ€Camouflaged Redoxâ€Responsive Nanogels to Resolve the Dilemma between Extracellular Stability and Intracellular Drug Release. Macromolecular Bioscience, 2018, 18, e1800049.	2.1	18
132	High-Tactile Sensitivity of Piezoresistive Sensors With a Micro-Crack Structure Induced by Thin Film Tension. IEEE Electron Device Letters, 2019, 40, 1519-1521.	2.2	18
133	pH and Redox Dual-Sensitive Covalent Organic Framework Nanocarriers to Resolve the Dilemma Between Extracellular Drug Loading and Intracellular Drug Release. Frontiers in Chemistry, 2020, 8, 488.	1.8	18
134	Co-delivery of anionic epitope/CpG vaccine and IDO inhibitor by self-assembled cationic liposomes for combination melanoma immunotherapy. Journal of Materials Chemistry B, 2021, 9, 3892-3899.	2.9	18
135	High-performance organic field-effect transistors based on copper/copper sulphide bilayer source-drain electrodes. Applied Physics Letters, 2010, 97, 243303.	1.5	17
136	Pressure-Sensitive Adhesive Properties of Poly(N-Vinyl Pyrrolidone)/D,L-Lactic Acid Oligomer/Glycerol/Water Blends for TDDS. Journal of Biomaterials Science, Polymer Edition, 2010, 21, 1-15.	1.9	17
137	Acid-induced disassemblable nanoparticles based on cyclic benzylidene acetal-functionalized graft copolymer via sequential RAFT and ATRP polymerization. Polymer Chemistry, 2014, 5, 1852.	1.9	17
138	Well-defined triblock copolymers with a photolabile middle block of poly(phenyl vinyl ketone): facile synthesis, chain-scission mechanism and controllable photocleavability. RSC Advances, 2015, 5, 31365-31374.	1.7	17
139	The Size-Dependence of Electrochemical Thermodynamics of Metal Nanoparticles Electrodes in Theory and Experiment. Journal of the Electrochemical Society, 2017, 164, H828-H835.	1.3	17
140	Efficient Multi-View Multi-Target Tracking Using a Distributed Camera Network. IEEE Sensors Journal, 2020, 20, 2056-2063.	2.4	17
141	A Facile Strategy for Synergistic Integration of Dynamic Covalent Bonds and Hydrogen Bonds to Surmount the Tradeoff between Mechanical Property and Selfâ€Healing Capacity of Hydrogels. Macromolecular Materials and Engineering, 2021, 306, 2000577.	1.7	17
142	Spectral Efficient Frequency Allocation Scheme in Multihop Cellular Network. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	16
143	Design and in vitro evaluation of transdermal patches based on ibuprofen-loaded electrospun fiber mats. Journal of Materials Science: Materials in Medicine, 2013, 24, 333-341.	1.7	16
144	Effect of wake interaction on the response of two tandem oscillating hydrofoils. Energy Science and Engineering, 2019, 7, 431-442.	1.9	16

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145	¹⁹F magnetic resonance imaging enabled real-time, non-invasive and precise localization and quantification of the degradation rate of hydrogel scaffolds in vivo. Biomaterials Science, 2020, 8, 3301-3309.	2.6	16
146	Slippery liquid-infused microphase separation surface enables highly robust anti-fouling, anti-corrosion, anti-icing and anti-scaling coating on diverse substrates. Chemical Engineering Journal, 2022, 431, 133945.	6.6	16
147	Oxygen-Vacancy-Induced Synaptic Plasticity in an Electrospun InGdO Nanofiber Transistor for a Gas Sensory System with a Learning Function. ACS Applied Materials & Interfaces, 2022, 14, 8587-8597.	4.0	16
148	A Multiâ€Responsive MXeneâ€Based Actuator with Integrated Sensing Function. Advanced Materials Interfaces, 2022, 9, .	1.9	16
149	Facile and Efficient Synthesis of Fluorescenceâ€Labeled RAFT Agents and Their Application in the Preparation of Î±â€‰ï‰â€•and Î±,ï‰â€Endâ€Fluorescenceâ€Labeled Polymers. Macromolecular Chemistry and Physics, 2012, 213, 1851-1862.	2.6	15
150	Surface modification by self-assembled coating with amphiphilic comb-shaped block copolymers: A solution to the trade-off among solubility, adsorption and coating stability. Macromolecular Research, 2013, 21, 1127-1137.	1.0	15
151	Electrospinning of artemisinin-loaded core-shell fibers for inhibiting drug re-crystallization. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 551-564.	1.9	15
152	Preparation and Characterization of Magnetic Mesoporous Bioactive Glass/Carbon Composite Scaffolds. Journal of Chemistry, 2013, 2013, 1-11.	0.9	15
153	Development of high-k hafniumâ€“aluminum oxide dielectric films using solâ€“gel process. Journal of Materials Research, 2014, 29, 1620-1625.	1.2	15
154	Energy-efficient power and subcarrier allocation in multiuser OFDMA networks. , 2014, , .		15
155	The energy band tailored by Al incorporation in solution-processed IZO TFTs. RSC Advances, 2015, 5, 37635-37639.	1.7	15
156	Low-Temperature Sintering of AlN Ceramics by Sm2O3-Y2O3-CaO Sintering Additives Formed via Decomposition of Nitrate Solutions. Journal of Materials Engineering and Performance, 2017, 26, 453-459.	1.2	15
157	A New Polymeric Lightâ€Emitting Material with Pure Green Emission: Poly(fluoreneâ€altâ€quinoxaline) with Benzothiadiazole Groups in the Side Chain. Macromolecular Chemistry and Physics, 2010, 211, 651-656.	1.1	14
158	Timing and Frequency Synchronization for Cooperative Relay Networks. , 2013, , .		14
159	Small organic molecules based on oxazole/thiazole with excellent performances in green and red phosphorescent organic light-emitting diodes. RSC Advances, 2016, 6, 51575-51582.	1.7	14
160	Isoquinolines from Corydalis tomentella from Tibet, China, possess hepatoprotective activities. Phytochemistry, 2018, 155, 93-99.	1.4	14
161	Dependence of device behaviours on oxygen vacancies in ZnSnO thin-film transistors. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	14
162	An Active Multielectrode Array for Collecting Surface Electromyogram Signals Using a-IGZO TFT Technology on Polyimide Substrate. IEEE Transactions on Electron Devices, 2020, 67, 1613-1618.	1.6	14

#	Article	IF	Citations
163	Facile Electrochemical Synthesis of ZnO/ZnS Heterostructure Nanorod Arrays. Journal of the Electrochemical Society, 2011, 158, E84.	1.3	13
164	Solution-Processed Low-Operating-Voltage Thin-Film Transistors With Bottom-Gate Top-Contact Structure. IEEE Transactions on Electron Devices, 2015, 62, 875-881.	1.6	13
165	Ethanol fermentation characteristics of recycled water by Saccharomyces cerevisiae in an integrated ethanol-methane fermentation process. Bioresource Technology, 2016, 220, 609-614.	4.8	13
166	A high-performance humidity sensor based on alkalized MXenes and poly(dopamine) for touchless sensing and respiration monitoring. Journal of Materials Chemistry C, 2022, 10, 2281-2289.	2.7	13
167	Cluster Identification and Properties of Outdoor Wideband MIMO Channel. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	12
168	Improved Channel Estimation Based on Parametric Channel Approximation Modeling for OFDM Systems. IEEE Transactions on Broadcasting, 2008, 54, 217-225.	2.5	12
169	Toxicity andin vivobiological effect of the nanoparticular self-supported hydrogel of a thermosensitive copolymer for non-invasive drug delivery. Journal of Biomedical Materials Research - Part A, 2014, 102, 17-29.	2.1	12
170	Solution-Processed Zirconium Oxide Gate Insulators for Top Gate and Low Operating Voltage Thin-Film Transistor. Journal of Display Technology, 2015, 11, 764-767.	1.3	12
171	Controlled synthesis of t-Se nanomaterials with various morphologies via a precursor conversion method. CrystEngComm, 2018, 20, 1220-1231.	1.3	12
172	Pseudo-Biological Highly Performance Transparent Electrodes Based on Capillary Force-Welded Hybrid AgNW Network. IEEE Access, 2019, 7, 177944-177953.	2.6	12
173	Protection against lightâ€induced retinal degeneration via dual antiâ€inflammatory and antiâ€angiogenic functions of thrombospondinâ€1. British Journal of Pharmacology, 2022, 179, 1938-1961.	2.7	12
174	Transparent Nanostructured BiVO₄ Double Films with Blue Light Shielding Capabilities to Prevent Damage to ARPE-19 Cells. ACS Applied Materials & Interfaces, 2020, 12, 20797-20805.	4.0	12
175	A stable biosensor for organophosphorus pesticide detection based on chitosan modified graphene. Biotechnology and Applied Biochemistry, 2022, 69, 567-575.	1.4	12
176	Organic Nanoplatforms for Iodinated Contrast Media in CT Imaging. Molecules, 2021, 26, 7063.	1.7	12
177	Outdoor-Indoor Propagation Characteristics of Peer-to-Peer System at 5.25 GHz. Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007, , .	0.0	11
178	Using Nucleobase Pairing as Supermolecule Linker to Assemble the Bionic Copolymer Nanoparticles with Small Size. Macromolecular Chemistry and Physics, 2016, 217, 2611-2616.	1.1	11
179	Comparison of the Solution and Vacuum-Processed Squaraine:Fullerene Small-Molecule Bulk Heterojunction Solar Cells. Frontiers in Chemistry, 2018, 6, 412.	1.8	11
180	In Situ Template Polymerization to Prepare Liposomeâ€Coated PDMAEMA Nanogels with Controlled Size, High Stability, Low Cytotoxicity, and Responsive Drug Release for Intracellular DOX Release. Macromolecular Chemistry and Physics, 2018, 219, 1800071.	1.1	11

#	Article	IF	Citations
181	Size-dependent melting thermodynamic properties of selenium nanowires in theory and experiment. CrystEngComm, 2019, 21, 430-438.	1.3	11
182	Combating drug-resistant bacterial infection using biodegradable nanoparticles assembled from comb-like polycarbonates grafted with amphiphilic polyquaternium. Journal of Materials Chemistry B, 2021, 9, 357-365.	2.9	11
183	An injectable thermosensitive hydrogel self-supported by nanoparticles of PEGylated amino-modified PCL for enhanced local tumor chemotherapy. Soft Matter, 2020, 16, 5750-5758.	1.2	11
184	A Novel Timing Synchronization Method for Distributed MIMO-OFDM Systems in Multi-path Rayleigh Fading Channels. IEEE Vehicular Technology Conference, 2008, , .	0.2	10
185	Large Scale Characteristics and Capacity Evaluation of Outdoor Relay Channels at 2.35 GHz. , 2009, , .		10
186	Selection Transmitting/Maximum Ratio Combining for Timing Synchronization of MIMO-OFDM Systems. IEEE Transactions on Broadcasting, 2014, 60, 626-636.	2.5	10
187	A facile strategy to fabricate covalently linked raspberry-like nanocomposites with pH and thermo tunable structures. RSC Advances, 2016, 6, 40991-41001.	1.7	10
188	Novel process combining anaerobic-aerobic digestion and ion exchange resin for full recycling of cassava stillage in ethanol fermentation. Waste Management, 2017, 62, 241-246.	3.7	10
189	A reconstituted thermosensitive hydrogel system based on paclitaxel-loaded amphiphilic copolymer nanoparticles and antitumor efficacy. Drug Development and Industrial Pharmacy, 2017, 43, 972-979.	0.9	10
190	Estimation of continuous elbow joint movement based on human physiological structure. BioMedical Engineering OnLine, 2019, 18, 31.	1.3	10
191	Amelioration of interfacial combination and suppression of oxygen vacancies for high performance environmentally friendly electrospun SnYO nanofiber field-effect transistors. Journal of Materials Chemistry C, 2020, 8, 5222-5230.	2.7	10
192	Channel Characteristics Analysis of Angle and Clustering in Indoor Office Environment at 28 GHz. , 2016, , .		9
193	Improved gate bias stressing stability of IGZO thin film transistors using high-k compounded ZrO₂/HfO₂ nanolaminate as gate dielectric. Molecular Crystals and Liquid Crystals, 2018, 676, 65-71.	0.4	9
194	High Brightness Organic Light-Emitting Diodes with Capillary-Welded Hybrid Diameter Silver Nanowire/Graphene Layers as Electrodes. Micromachines, 2019, 10, 517.	1.4	9
195	Functionally Graded W-Cu Materials Prepared from Cu-Coated W Powders by Microwave Sintering. Journal of Materials Engineering and Performance, 2019, 28, 6135-6144.	1.2	9
196	Structural exploration of hydrophobic core in polycationic micelles for improving siRNA delivery efficiency and cell viability. Journal of Materials Chemistry B, 2019, 7, 965-973.	2.9	9
197	High-Performance and Flexible Neodymium-Doped Indium-Zinc-Oxide Thin-Film Transistor With All Copper Alloy Electrodes. IEEE Electron Device Letters, 2020, 41, 417-420.	2.2	9
198	Nâ€dodecylated chitosan/graphene oxide composite cryogel for hemostasis and antibacterial treatment. Journal of Applied Polymer Science, 2021, 138, 50572.	1.3	9

#	Article	IF	Citations
199	Differences between La substitution and doping strategies in dielectric properties of CaCu3Ti4O12 ceramics with low loss. Journal of Materials Science: Materials in Electronics, 2022, 33, 7011-7022.	1.1	9
200	A bionic artificial joint system and investigation of tribological performance. Science Bulletin, 2009, 54, 599-607.	1.7	8
201	Development of an underwater robot for nuclear reactor vessel. , 2013, , .		8
202	High-k titaniumâ€“aluminum oxide dielectric films prepared by inorganicâ€“organic hybrid solution. Journal of Sol-Gel Science and Technology, 2014, 71, 458-463.	1.1	8
203	One simple and stable coating of mixedâ€charge copolymers on poly(vinyl chloride) films to improve antifouling efficiency. Journal of Applied Polymer Science, 2017, 134, .	1.3	8
204	Influence of supramolecular layer-crosslinked structure on stability of dual pH-Responsive polymer nanoparticles for doxorubicin delivery. Journal of Drug Delivery Science and Technology, 2018, 45, 81-92.	1.4	8
205	A thermally activated delayed fluorescence exciplex to achieve highly efficient and stable blue and green phosphorescent organic light-emitting diodes. RSC Advances, 2019, 9, 23810-23817.	1.7	8
206	Morphology control and property design of boronate dynamic nanostructures. Polymer Chemistry, 2019, 10, 2436-2446.	1.9	8
207	Silver-catalyzed decarboxylative radical allylation of Î±,Î±-difluoroarylacetic acids for the construction of CF‹sub›2‹/sub›â€“allyl bonds. Organic and Biomolecular Chemistry, 2021, 19, 2023-2029.	1.5	8
208	The heat flow coupling effect of laser-assisted magnetorheological polishing. International Journal of Advanced Manufacturing Technology, 2021, 114, 591-603.	1.5	8
209	A Novel Timing Synchronization Method for MIMO OFDM Systems. IEEE Vehicular Technology Conference, 2008, , .	0.2	7
210	Tribological and electrochemical studies on biomimetic synovial fluids. Science China Technological Sciences, 2010, 53, 2996-3001.	2.0	7
211	Facile prepared bis(carbazyl thiocarbonyl) disulfide as chain transfer agent for RAFT polymerization of methyl methacrylate. Journal of Applied Polymer Science, 2012, 126, 740-748.	1.3	7
212	Low-Complexity Energy-Efficient Power and Subcarrier Allocation in Cooperative Networks. IEEE Communications Letters, 2013, 17, 1944-1947.	2.5	7
213	Performance enhancement of gallium-nitride-based flip-chip light-emitting diode with through-via structure. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 1725-1730.	0.8	7
214	Control of pH by acetic acid and its effect on ethanol fermentation in an integrated ethanolâ€“methane fermentation process. RSC Advances, 2016, 6, 57902-57909.	1.7	7
215	CONTINUOUS MOTION AND TIME-VARYING STIFFNESS ESTIMATION OF THE HUMAN ELBOW JOINT BASED ON SEMG. Journal of Mechanics in Medicine and Biology, 2019, 19, 1950040.	0.3	7
216	Effect of ion form of the ion-exchange resin on Îµ-poly-‹scp›l‹/scp›-lysine purification from microbial fermentation broth. RSC Advances, 2019, 9, 12174-12181.	1.7	7

#	Article	IF	Citations
217	Temperature Gradient ZnO Deposited via ALD for High-Performance Transistor Applications. IEEE Journal of the Electron Devices Society, 2020, 8, 885-889.	1.2	7
218	pHâ€Sensitive Polycations for siRNA Delivery: Effect of Asymmetric Structures of Tertiary Amine Groups. Macromolecular Bioscience, 2021, 21, e2100025.	2.1	7
219	SYNTHESIS AND INVESTIGATION OF WELL-DEFINED AND FLUORESCENCE-LABELLED POLY(METHYL) Tj ETQq1 1 0.784314 rgBT /Over	0.0	7
220	A Facile Approach to Sulfurâ€Rich Covalent Organic Frameworks for Selective Recovery of Trace Gold. Macromolecular Materials and Engineering, 2022, 307, .	1.7	7
221	Polymers for Improved Delivery of Iodinated Contrast Agents. ACS Biomaterials Science and Engineering, 2022, 8, 32-53.	2.6	7
222	An Experimental Investigation of Wideband MIMO Channel Based on Indoor Hotspot NLOS Measurements at 2.35GHz. , 2008, , .		6
223	Effects of die-attach materials on the optical durability and thermal performances of HP-LED. , 2011, , .		6
224	Energy-Efficient Resource Optimization for Relay-Aided Uplink OFDMA Systems. , 2012, , .		6
225	Energyâ€efficient resource allocation in multiuser relayâ€based OFDMA networks. Concurrency Computation Practice and Experience, 2013, 25, 1113-1125.	1.4	6
226	Channel Modeling and Estimation for OFDM Systems in High-Speed Trains Scenarios. , 2016, , .		6
227	Determination and correlation of regioselectivity and dead dormant species from head addition in acrylate RAFT polymerization. Polymer Chemistry, 2017, 8, 3560-3573.	1.9	6
228	Ultra-thin-film transistors based on ultra-thin amorphous ZnSnO films. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	6
229	Ultrathin-Film Transistors Based on Ultrathin Amorphous InZnO Films. IEEE Transactions on Electron Devices, 2019, 66, 2960-2964.	1.6	6
230	Self-assembly and self-delivery nanodrug of bortezomib: a simple approach to achieve the trade-off between functionality and druggability. Journal of Materials Chemistry B, 2019, 7, 7490-7493.	2.9	6
231	A New â€œAmmonia Bathâ€•Method for Realizing Nitrogen Doping in ZnSnO Transistors. IEEE Electron Device Letters, 2020, 41, 389-392.	2.2	6
232	A Facile Strategy to Achieve Synergistic Multiple Hydrogen Bonding Interactions for Constructing Robust Hydrogels with Selfâ€healing Capability, Shape Transformation and Actuation Function. Macromolecular Chemistry and Physics, 2021, 222, 2000429.	1.1	6
233	The outstanding effect and mechanism of non-inert casting atmospheres on glass forming ability of P-containing Fe-based soft magnetic bulk metallic glasses. Journal of Alloys and Compounds, 2021, 866, 158991.	2.8	6
234	A Study on Solution-Processed Y2O3 Films Modified by Atomic Layer Deposition Al2O3 as Dielectrics in ZnO Thin Film Transistor. Coatings, 2021, 11, 969.	1.2	6

#	Article	IF	Citations
235	Low-Temperature Fabrication of IZO Thin Film for Flexible Transistors. Nanomaterials, 2021, 11, 2552.	1.9	6
236	Phase and microstructure optimization of grain boundary oxides and its effect on the thermal conductivity of Y2O3-doped AlN ceramics. Journal of the European Ceramic Society, 2022, 42, 4855-4865.	2.8	6
237	A Low Cost Bumping Method for Flip Chip Assembly and MEMS Integration. IEEE Transactions on Components and Packaging Technologies, 2007, 30, 781-786.	1.4	5
238	Joint Timing Synchronization and Channel Estimation for OFDM Systems via MMSE Criterion. , 2008, , .		5
239	Lowâ€voltage and highâ€stability pâ€type doped blue organic lightâ€emitting diodes with bilayer holeâ€injection layers. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2321-2324.	0.8	5
240	Transport Phenomena in a Novel Large MOCVD Reactor for Epitaxial Growth of GaN Thin Films. IEEE Transactions on Semiconductor Manufacturing, 2012, 25, 16-18.	1.4	5
241	Height gain modeling of outdoor-to-indoor path loss in metropolitan small cell based on measurements at 3.5 GHz. , 2014, , .		5
242	A Novel 3D Nonstationary Channel Model Based on the von Mises-Fisher Scattering Distribution. Mobile Information Systems, 2016, 2016, 1-9.	0.4	5
243	Non-Asymptotic Outage Probability of Large-Scale MU-MIMO Systems with Linear Receivers. , 2016, , .		5
244	The positive effect of non-inert casting atmospheres on the glass-forming ability of FeMoPCBSi bulk metallic glass. Journal of Alloys and Compounds, 2017, 702, 1-5.	2.8	5
245	Study on the Heat Transfer of GaN-Based High Power HEMTs. IEEE Transactions on Semiconductor Manufacturing, 2017, 30, 526-530.	1.4	5
246	Basestation 3-dimensional spatial propagation characteristics in urban microcell at 28 GHz. , 2017, , .		5
247	Effects of Die-Attach Quality on the Mechanical and Thermal Properties of High-Power Light-Emitting Diodes Packaging. Advances in Materials Science and Engineering, 2017, 2017, 1-8.	1.0	5
248	Host-guest supramolecular hydrogel based on nanoparticles: co-delivery of DOX and siBcl-2 for synergistic cancer therapy. Journal of Biomaterials Science, Polymer Edition, 2019, 30, 877-893.	1.9	5
249	Multi-transformable nanocarrier with tumor extracellular acidity-activated charge reversal, size reduction and ligand reemergence for in vitro efficient doxorubicin loading and delivery. Materials Science and Engineering C, 2020, 116, 111250.	3.8	5
250	Microstructures and Properties of Graphite Nanoflake/6061Al Matrix Composites Fabricated via Spark Plasma Sintering. Journal of Materials Engineering and Performance, 2020, 29, 1235-1244.	1.2	5
251	Optimization of sulfonated polyethyleneimine zwitterionic coating mediated by polydopamine for poly(vinyl chloride) antifouling. Journal of Applied Polymer Science, 2021, 138, 49636.	1.3	5
252	Flexible Dualâ€Parameter Sensor Array without Coupling Based on Amorphous Indium Gallium Zinc Oxide Thin Film Transistors. Advanced Materials Technologies, 2022, 7, 2100849.	3.0	5

#	Article	IF	Citations
253	A facile strategy to fabricate silver-functionalized superhydrophobic cotton fabrics with long-term antibacterial properties. Cellulose, 2022, 29, 1163-1174.	2.4	5
254	Ultrasensitive room-temperature acetone gas sensors employing green-solvent-processed aligned InNdO nanofiber field-effect transistors. Journal of Materials Chemistry C, 2022, 10, 860-869.	2.7	5
255	Coplanar-Gate Synaptic Transistor Array With Organic Electrolyte Using Lithographic Process. IEEE Transactions on Electron Devices, 2022, 69, 2325-2330.	1.6	5
256	Multi-chip integrated high-power white LED device on the multi-layer ceramic substrate. , 2008, , .		4
257	A study on the black start capability of VSC-HVDC using soft-starting mode. , 2009, , .		4
258	Synthesis and properties of copolymer of 3â€thienylmethyl disulfide and benzyl disulfide for cathode material in lithium batteries. Journal of Applied Polymer Science, 2010, 116, 727-735.	1.3	4
259	Propagation characteristics in indoor office scenario at 3.5 GHz. , 2013, , .		4
260	Measurement-based performance evaluation of 3D MIMO in high rise scenario. , 2014, , .		4
261	Practical differential quantization for spatially and temporally correlated massive MISO channels. , 2014, , .		4
262	Improved charge injection of pentacene transistors by immobilizing DNA on gold source-drain electrodes. Applied Physics A: Materials Science and Processing, 2014, 115, 759-763.	1.1	4
263	Pilot Design for Sparse Channel Estimation in Large-Scale MIMO-OFDM System. International Journal of Antennas and Propagation, 2016, 2016, 1-8.	0.7	4
264	The rationality analysis of massive MIMO virtual measurement at 3.5 GHz. , 2016, , .		4
265	Effect of acetic acid in recycling water on ethanol production for cassava in an integrated ethanolâ€“methane fermentation process. Water Science and Technology, 2016, 74, 2392-2398.	1.2	4
266	Concentration-directed morphological evolution of boronate ester-based dynamic covalent nanoparticles: a facile approach for size and shape control. Polymer Chemistry, 2018, 9, 815-819.	1.9	4
267	Microstructures and properties of high-fraction Sipâ€“6061Al composites fabricated by pressureless sintering. Materials Science and Technology, 2018, 34, 305-314.	0.8	4
268	Application of laser-assisted glass frit bonding encapsulation in all inorganic quantum dot light emitting devices. Molecular Crystals and Liquid Crystals, 2018, 676, 59-64.	0.4	4
269	Ultraâ€pHâ€sensitive Biopolymer Micelles Based on Nuclear Base Pairs for Specific Tumorâ€targeted Drug Delivery. Macromolecular Chemistry and Physics, 2019, 220, 1900309.	1.1	4
270	Determination of head addition incidence of (meth)acrylate and styrene in radical polymerization by RAFT block polymerization derivation and gradient polymer elution chromatography. Polymer Chemistry, 2019, 10, 2073-2082.	1.9	4

#	Article	IF	Citations
271	Combâ€Like Amphiphilic Polycarbonates with Different Lengths of Cationic Branches for Enhanced siRNA Delivery. Macromolecular Bioscience, 2020, 20, 2000143.	2.1	4
272	Stable and Printable Direct X-Ray Detectors Based on Micropyramid Ï‰-Bi₂O₃ With Low Detection Limit. IEEE Transactions on Electron Devices, 2021, 68, 3411-3416.	1.6	4
273	Stability of SiNx Prepared by Plasma-Enhanced Chemical Vapor Deposition at Low Temperature. Nanomaterials, 2021, 11, 3363.	1.9	4
274	Fabrication and Mechanical Properties Improvement of Micro Bumps for High-Resolution Micro-LED Display Application. IEEE Transactions on Electron Devices, 2022, 69, 3737-3741.	1.6	4
275	Silverâ€Promoted Decarboxylative Difluoromethylenation of Î±,Î²â€Unsaturated Carboxylic Acids for the Synthesis of Allylic Difluorides. Chemistry - an Asian Journal, 2022, 17, .	1.7	4
276	Eigenvalue Statistics and Spatial Characteristics in Hotspot Areas Based on Wideband MIMO Channel Measurements. , 2008, , .		3
277	Photo-crosslinked poly(ethylene glycol)-b-poly(Ïµ-caprolactone) nanoparticles for controllable paclitaxel release. Journal of Biomaterials Science, Polymer Edition, 2013, 24, 1900-1921.	1.9	3
278	Kinematics analysis of the 4-DOF underwater manipulator served for nuclear power plant. , 2013, , .		3
279	Fabricating organic transistors based on domainâ€ordered copper phthalocyanine film grown on oligothiophene epitaxial substrate. Physica Status Solidi - Rapid Research Letters, 2013, 7, 558-561.	1.2	3
280	On asymptotic favorable propagation condition for massive MIMO with co-located user terminals. , 2014, , .		3
281	Relay-aided interference alignment and neutralization for 3-cellular interference channels. , 2014, , .		3
282	Effect of CuO on laser absorption in glass to glass laser bonding. , 2014, , .		3
283	Experimental investigation of elevation angles and impacts on channel capacity in urban microcell. , 2015, , .		3
284	An analysis on damage of light-emitting diodes reliability induced by electronic static discharge. , 2016, , .		3
285	A generalized algorithm for the generation of arbitrary correlated Nakagami fading channels. , 2016, , .		3
286	Improving the cycling stability of lithiumâ€“sulfur batteries by hollow dual-shell coating. RSC Advances, 2018, 8, 9161-9167.	1.7	3
287	Relative Dynamic Modeling of Dual-Arm Coordination Robot. , 2018, , .		3
288	Low cost ZnO/CdO thin films effectively reduce blue light-induced damage to RPE cells by display and lighting devices. Molecular Crystals and Liquid Crystals, 2018, 676, 72-82.	0.4	3

#	Article	IF	Citations
289	A Novel Method for Estimating Continuous Motion and Time-Varying Stiffness of Human Elbow Joint. , 2018, , .		3
290	Initiation Mechanisms of Styrene with Methyl Ethyl Ketone Peroxide-Cobalt System. Macromolecular Research, 2018, 26, 680-689.	1.0	3
291	Leadâ€Free Nanocrystals: Bright Blue Lightâ€Emitting Doped Cesium Bromide Nanocrystals: Alternatives of Leadâ€Free Perovskite Nanocrystals for White LEDs (Advanced Optical Materials 10/2019). Advanced Optical Materials, 2019, 7, 1970037.	3.6	3
292	â€œOff/onâ€•fluorescence imaging-guided cancer diagnosis and multi-modal therapy. Biomaterials Science, 2020, 8, 1442-1454.	2.6	3
293	High ionic conductivity Li_{0.33}La_{0.557}TiO₃ nanofiber/polymer composite solid electrolyte for flexible transparent InZnO synaptic transistors. Nanotechnology, 2021, 32, 405207.	1.3	3
294	Performance Analysis of Semi-Blind Amplify-and-Forward Relay System in Mixed Nakagami-m and Rician Fading Channels. IEICE Transactions on Communications, 2010, E93-B, 3137-3140.	0.4	3
295	Safe distance prediction for braking control of bridge cranes considering antiâ€swing. International Journal of Intelligent Systems, 2022, 37, 4845-4863.	3.3	3
296	High Performance of Patterned Solution-Processed WZnSnO Thin Film Transistor Using Fiber-Coupler Semiconductor Laser Annealing. IEEE Transactions on Electron Devices, 2022, 69, 1858-1863.	1.6	3
297	Effects of contact metallizations on electrical resistance reliability of ACF interconnection for chip on flex application. , 0, , .		2
298	Effects of thermosonic bonding parameters on flip chip LEDs. , 2006, , .		2
299	Tribological properties of pressureless sintered advanced alumina matrix ceramic materials improved by Alâ€“Tiâ€“B and diopside. Wear, 2008, 265, 286-291.	1.5	2
300	Channel Estimation and ICI Cancellation for OFDM Systems in Doubly-Selective Channels. , 2008, , .		2
301	Resource Allocation in Successive Relaying for Half-Duplex Relay-Based OFDMA Systems. , 2010, , .		2
302	A Robust Channel Estimation for Broadband OFDM Systems with Virtual Tones. , 2010, , .		2
303	An LMMSE receiver scheme for amplify-and-forward relay systems with imperfect channel state information. , 2011, , .		2
304	A new two-phase fluid dispensing technology for the adhesive distribution. , 2011, , .		2
305	Experimental investigation of MIMO relay channels statistics and capacity based on wideband outdoor measurements at 2.35 GHz. Science China Information Sciences, 2011, 54, 1945-1956.	2.7	2
306	Joint synchronization and channel estimation for the uplink coordinated multi-point systems. , 2012, , .		2

#	Article	IF	Citations
307	Wideband MIMO channel capacity analysis based on indoor channel measurement. , 2013, , .		2
308	Optimal and Computational-Efficient Detection and Estimation of Multi-Paths in Channel Sounding. , 2013, , .		2
309	Interference Neutralization and Alignment in Cognitive Relay Assisted 3-User Interference Channels. , 2014, , .		2
310	Temperature and emitting area dependence of red organic lightâ€emitting diode performance. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1488-1492.	0.8	2
311	Effect of the viscosity of organic carrier on the quality of laser-assisted glass frit bonding. , 2016, , .		2
312	Improved Light Extraction of GaN-based LED with Patterned Ga-doped ZnO Transparent Conducting Layer. Molecular Crystals and Liquid Crystals, 2016, 626, 231-237.	0.4	2
313	Facile Fabrication of Silica Nanocapsules with Well-Defined Mesoporous Shell via a Poly(<I>N</I>, <I>N</I>-dimethylaminoethyl methacrylate)-Assisted Self-Template Etching Process. Journal of Nanoscience and Nanotechnology, 2016, 16, 9708-9715.	0.9	2
314	Highly transparent conductive films fabricated by combining CVD-grown graphene and silver nanowire. Molecular Crystals and Liquid Crystals, 2017, 651, 250-258.	0.4	2
315	The Effects of the Rotating Step on Analyzing the Virtual Multi-Antenna Measurement Results at 28 GHz. , 2017, , .		2
316	Corrections to â€œHighly Sensitive Flexible Pressure Sensor by the Integration of Microstructured PDMS Film With a-IGZO TFTsâ€•[Jul 18 1073-1076]. IEEE Electron Device Letters, 2018, 39, 1262-1262.	2.2	2
317	pHâ€Responsive Nanoparticles for Controllable Curcumin Delivery: The Design of Polycation Core with Different Structures. Macromolecular Chemistry and Physics, 2018, 219, 1800062.	1.1	2
318	Fabrication, Microstructure and Properties of the Mid-Fraction SiC Particles/6061Al Composites Using an Optimized Powder Metallurgy Technique. Russian Journal of Non-Ferrous Metals, 2019, 60, 312-318.	0.2	2
319	Favorable Propagation with Practical Angle Distributions for mmWave Massive MIMO Systems. , 2019, , .		2
320	Silicon-Doped Diamond-Like Composite Film to Improve the Thermal Dissipated Performance of Light-Emitting Diode. IEEE Access, 2019, 7, 60104-60110.	2.6	2
321	Preparation and Performance of Sintered Fe-2Cu-2Mo-0.8C Materials Containing Different Forms of Molybdenum Powder. Materials, 2019, 12, 417.	1.3	2
322	Critical phase separation concentration of acrylamide and 2-acrylamido-2-methylpropanesulfonate copolymers in ammonium sulfate aqueous solution and its influence factors. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124485.	2.3	2
323	Highly Sensitive Piezoresistive Sensors Based on a Voltage Divider Circuit With TFTs for Ultra-Low Pressure Detection. IEEE Journal of the Electron Devices Society, 2021, 9, 623-627.	1.2	2
324	Effects of blue light-exposed retinal pigment epithelial cells on the process of ametropia. Biochemical and Biophysical Research Communications, 2021, 549, 14-20.	1.0	2

#	Article	IF	Citations
325	Multifunctional polymer bearing malonylurea groups for the fabrication of coordination complexes and supramolecular assemblies. European Polymer Journal, 2021, 156, 110616.	2.6	2
326	Adaptive Safe Distance Prediction Using MPC for Bridge Cranes Considering Anti-Swing. , 2020, , .		2
327	Acetylcholinesterase electrochemical biosensors with graphene-Au nanoparticles-Ti₃C₂T_x modified for detection of organophosphate pesticides. Molecular Crystals and Liquid Crystals, 2022, 733, 52-60.	0.4	2
328	Investigation on Stability in Solution-Processed In-Zn-Sn-O TFT Array Under Various Intensity of Illumination. IEEE Transactions on Electron Devices, 2022, 69, 4283-4287.	1.6	2
329	Packaging Issues on Combination of LED and Flip Chip. , 2005, , .		1
330	FEM Based Numerical Analysis on the Temperature Field in Grind-hardening. , 2009, , .		1
331	Computation Model of Machining Mechanics of Glass Micromilling. , 2009, , .		1
332	Multiple Carrier Frequency Offsets Estimation in Cooperative OFDM Systems. , 2010, , .		1
333	A Comment on â€œA Blind OFDM Synchronization Algorithm Based on Cyclic Correlationâ€• IEEE Signal Processing Letters, 2010, 17, 411-412.	2.1	1
334	An Empirical Investigation of Multi-Path Clusters in an Outdoor MIMO Propagation Environment. , 2012, , .		1
335	Driving force analysis of the carrier of the multiple flexible wheeled suspension mobile manipulator. , 2012, , .		1
336	Joint Source-Relay Precoder and Decoder Designs for Amplify-and-Forward MIMO Relay System with Imperfect Channel State Information. , 2012, , .		1
337	Validation of Antenna Modeling Methodology in IMT-Advanced Channel Model. International Journal of Antennas and Propagation, 2012, 2012, 1-9.	0.7	1
338	Comments on â€œPerformance Analysis of MRC Diversity for Cognitive Radio Systemsâ€• IEEE Transactions on Vehicular Technology, 2012, 61, 2876-2878.	3.9	1
339	Joint signalâ€toâ€noise ratioâ€based transceiver design for amplifyâ€andâ€forward multipleâ€input multipleâ€output relay systems. IET Communications, 2013, 7, 903-909.	1.5	1
340	Free gait generation based on discretization for a hexapod robot. , 2013, , .		1
341	Correlation analysis of high-speed railway channel parameters based on channel measurement. , 2013, , .		1
342	Measurement-Based Multiplexing Mode Selection for Codebook-Based MIMO Systems. , 2013, , .		1

#	Article	IF	Citations
343	Parallel multi-rate compressed sampling with a sub-Nyquist sampling rate. IEICE Electronics Express, 2014, 11, 20140330-20140330.	0.3	1
344	Development of a lower limb rehabilitation robot based on free gait and virtual reality. , 2014, , .		1
345	Optimization of Fermentation Medium for Citric Acid Production by Aspergillus niger. Lecture Notes in Electrical Engineering, 2015, , 497-507.	0.3	1
346	A novel elbow joint modeling method based on sEMG. , 2016, , .		1
347	Instrument for water vapor transmission rate of thin-film encapsulation in aging environment. , 2016, , .		1
348	Improved performance of graphene by effectively removing surface poly-methyl methacrylate residual during the process of wet-etching transfer. Molecular Crystals and Liquid Crystals, 2017, 644, 26-35.	0.4	1
349	Stability enhancement in InGaZnO thin-film transistor with a novel Al2O3/HfO2/Al2O3 as gate insulator. Molecular Crystals and Liquid Crystals, 2017, 651, 235-242.	0.4	1
350	Spatial Propagation Characteristics of 28 GHz Frequency Band in UMi Scenario. , 2017, , .		1
351	Zigzag Hollow Cracks of Silver Nanoparticle Film Regulated by Its Drying Micro-environment. Nanoscale Research Letters, 2018, 13, 354.	3.1	1
352	Laser-assisted Glass Frit Bonding Combined With Blue Light-shielding. , 2019, , .		1
353	A silver-graphene modified acetylcholinesterase biosensor for detecting organophosphate pesticides. , 2019, , .		1
354	A time-dependent reliability analysis method for bearing lubrication. Structural and Multidisciplinary Optimization, 2020, 61, 2125-2134.	1.7	1
355	Editorial: Functional Nanomaterials for Cancer Diagnostics and Therapy. Frontiers in Chemistry, 2021, 9, 670410.	1.8	1
356	High performance transparent electrodes combining graphene with Joule-heated welded silver nanowires. Molecular Crystals and Liquid Crystals, 0, , 1-8.	0.4	1
357	Silverâ€catalyzed Radical Cascade Arylthiodifluoromethylation/ Cyclization of Isonitriles for the Synthesis of 6â€Phenanthridinyldifluoromethyl Aryl Thioethers. Chemistry - an Asian Journal, 2022, , .	1.7	1
358	Computational Analysis of Quantum Dots as Color Conversion Layer for Micro-LED Applications. , 2021, , .		1
359	Continuous Motion Estimation of Lower Limb Joints Based on BP-KPCA Multi-feature Fusion. , 2021, , .		1
360	Thick films of polymer Direct-conversion X-ray detectors. , 2021, , .		1

#	Article	IF	Citations
361	A Novel Structure of Dynamic Reactive Power Source. , 0, , .		0
362	A Comparison of Broadcast Strategy in MIMO Relay Networks. , 2008, , .		0
363	An approach for preparation of porous silicon/rare earth hybrid â€" Immersion method. Journal Wuhan University of Technology, Materials Science Edition, 2009, 24, 970-972.	0.4	0
364	A Novel Modeling Method of Indoor Broadband Fixed Wireless Access MIMO Ricean Channel Based on Indoor Measurement at 4.9 Ghz. , 2009, , .		0
365	Finite element analysis of laser bonding process on organic light-emitting device. , 2010, , .		0
366	Basing on the olfaction and vision information fusion for robot's odor source localization. , 2010, , .		0
367	Cooperative Beamforming Based Selection and Power Allocation for Relay Networks. , 2010, , .		0
368	Adaptive Cooperation via Relay Selection with Improved Diversity-Multiplexing Tradeoff. , 2010, , .		0
369	Study of GaN-based light-emitting diodes with double roughened surfaces. , 2011, , .		0
370	Reliability evaluation of GaN based light-emitting diodes under high-temperature stressing. , 2012, , .		0
371	Mechanical strength and interface characteristics of glass-to-glass laser bonding using glass frit. , 2012, , .		0
372	Asymptotic energy efficiency analysis for noisy relay systems with interference-limited destination. , 2012, , .		0
373	Experiments of adhesive distribution based on two-phase flow dispensing technology. , 2012, , .		0
374	Rehabilitative motion planning for upper limb rehabilitation robot based on virtual reality. , 2013, , .		0
375	Simulation analysis of passive adaptive robot's tip-over stability. , 2013, , .		0
376	Channel Estimation for Amplify-and-Forward Relay Networks with Both Time and Frequency Offsets. , 2013, , .		0
377	Relay selection with optimal amplification factors in imperfect cooperative networks. , 2013, , .		0
378	Modulation optimization for green radios in cooperative networks. , 2013, , .		0

#	Article	IF	Citations
379	A novel method based on signal sparsity to obtain fractional sample delay. , 2013, , .		0
380	Energy Efficient Constellation Size Design for Green Radios in Semi-Blind Relay Networks. , 2013, , .		0
381	The design and experiment research on two-phase flow dispenser. , 2013, , .		0
382	Power control for limited feedback precoding: Achievable SINRs and optimal capacity analysis. , 2014, , .		0
383	Electrothermal-coupled simulation of electrodes with flip-chip LEDs. , 2014, , .		0
384	Investigation on the spatial-polarizational correlation based on 3GPP spatial channel model. Science China Information Sciences, 2014, 57, 1-12.	2.7	0
385	Power allocation for uplink multi-user energy harvesting relay systems with sleep mode. , 2015, , .		0
386	Track modeling and an optimization method for tracked robots. , 2015, , .		0
387	Development of structure function analysis system for power semiconductor devices. , 2015, , .		0
388	A fission model for analyzing and designing omnidirectional wheels. , 2016, , .		0
389	A closed loop control algorithm for obstacle avoidance based on the transformation of master and slave tasks. , 2016, , .		0
390	Performance enhancement of merge pin schottky diode with graphene films as heat sink by ANSYS simulation. , 2016, , .		0
391	Delay analysis for base station to vehicle communication at 3.35 and 5.4 GHz. , 2016, , .		0
392	The degradation mechanism of GaN HP-LED under accelerated aging was analyzed by illuminance and temperature distribution. Molecular Crystals and Liquid Crystals, 2017, 651, 149-154.	0.4	0
393	Glucose-sensitive, injectable and biodegradable composite hydrogels for efficient loading and physiological self-regulated delivery of insulin. Journal of Controlled Release, 2017, 259, e58-e59.	4.8	0
394	An evaluation method for the restored time-constant function based on the network identification by deconvolution method. , 2017, , .		0
395	The illuminance and temperature distribution degradation of high power GaN LED caused by detachment of multilayer electrode. Optical and Quantum Electronics, 2018, 50, 1.	1.5	0
396	Pâ€13.2: AMOLED Encapsulation Technology and Prospect. Digest of Technical Papers SID International Symposium, 2018, 49, 734-736.	0.1	0

#	Article	IF	Citations
397	Automatic Analysis of Calibration Board Image Orientation for Online Hand-Eye Calibration. Lecture Notes in Computer Science, 2019, , 577-589.	1.0	0
398	High Conductivity and Stability of Welded Silver Nanowires Transparent Films Encapsulated by a Graphene Layer. , 2019, , .		0
399	Pâ€5.2: Aqueous Srâ€doped In 2 O 3 TFT stability under negative bias illumination stress. Digest of Technical Papers SID International Symposium, 2019, 50, 728-731.	0.1	0
400	Electrical degradation behavior in metal oxide thin film transistor under negative bias-illumination stress. , 2019, , .		0
401	Determination of Headâ€Addition Incidence of Methyl Acrylate and Temperature Dependence in Radical Polymerization by Coupling Reversible Additionâ€Fragmentation Chain Transfer Block Polymerization Derivatization and Gradient Polymer Elution Chromatography. Macromolecular Chemistry and Physics, 2020, 221, 2000148.	1.1	0
402	Curvature-dependent melting models and melting thermodynamics of nanotubes in theory and experiment. Chemical Engineering Science, 2020, 216, 115558.	1.9	0
403	Metal-oxide field-effect transistors for display and beyond. , 2021, , .		0
404	Image Deblurring Based on Fuzzy Kernel Estimation in HSV Color Space. Lecture Notes in Computer Science, 2019, , 590-603.	1.0	0
405	CQD-LEDs with High Colour Rendering Index. , 2020, , .		0
406	Simulation study on thermal mechanical properties of 4Ã—4 Micro-LED array in flip-chip bonding process. , 2021, , .		0
407	Human-machine security collaboration based on virtual collision sensor. , 2021, , .		0
408	Research on Lower limb Movement Pattern Recognition Method Based on ReliefF-KPCA-SVM. , 2021, , .		0
409	Effect of CuO on laser absorption in glass to glass laser bonding. , 2014, , .		0
410	Electrothermal-coupled simulation of electrodes with flip-chip LEDs. , 2014, , .		0
411	Title is missing!. , 2020, 15, e0231981.		0
412	Title is missing!. , 2020, 15, e0231981.		0
413	Title is missing!. , 2020, 15, e0231981.		0
414	Title is missing!. , 2020, 15, e0231981.		0