

# Jianhuan Zhang

## List of Publications by Citations

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339  
papers

5,835  
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38  
h-index

62  
g-index

422  
ext. papers

7,299  
ext. citations

5  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
339	Three-dimensional printing of strontium-containing mesoporous bioactive glass scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 2269-81	10.8	240
338	Composites of Polymer Hydrogels and Nanoparticulate Systems for Biomedical and Pharmaceutical Applications. <i>Nanomaterials</i> , <b>2015</b> , 5, 2054-2130	5.4	221
337	3D-printed magnetic FeO/MBG/PCL composite scaffolds with multifunctionality of bone regeneration, local anticancer drug delivery and hyperthermia. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 7583-7595	7.3	171
336	Facile Access to Multisensitive and Self-Healing Hydrogels with Reversible and Dynamic Boronic Ester and Disulfide Linkages. <i>Biomacromolecules</i> , <b>2017</b> , 18, 1356-1364	6.9	145
335	PEG-b-PCL copolymer micelles with the ability of pH-controlled negative-to-positive charge reversal for intracellular delivery of doxorubicin. <i>Biomacromolecules</i> , <b>2014</b> , 15, 4281-92	6.9	145
334	Full-color fluorescent carbon quantum dots. <i>Science Advances</i> , <b>2020</b> , 6,	14.3	133
333	A flexible pressure sensor based on an MXene-textile network structure. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1022-1027	7.1	109
332	Three-dimensional printed strontium-containing mesoporous bioactive glass scaffolds for repairing rat critical-sized calvarial defects. <i>Acta Biomaterialia</i> , <b>2015</b> , 12, 270-280	10.8	108
331	Erythrocyte membrane-coated nanogel for combinatorial antivirulence and responsive antimicrobial delivery against <i>Staphylococcus aureus</i> infection. <i>Journal of Controlled Release</i> , <b>2017</b> , 263, 185-191	11.7	93
330	3D-printed hierarchical scaffold for localized isoniazid/rifampin drug delivery and osteoarticular tuberculosis therapy. <i>Acta Biomaterialia</i> , <b>2015</b> , 16, 145-55	10.8	90
329	Covalent Organic Frameworks: From Materials Design to Biomedical Application. <i>Nanomaterials</i> , <b>2017</b> , 8,	5.4	88
328	A Bioadhesive Nanoparticle-Hydrogel Hybrid System for Localized Antimicrobial Drug Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 18367-74	9.5	85
327	Highly Sensitive Flexible Piezoresistive Pressure Sensor Developed Using Biomimetically Textured Porous Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29466-29473	9.5	83
326	Poly(ethyleneglycol)-b-poly( $\epsilon$ -caprolactone-co- $\delta$ -hydroxyl- $\epsilon$ -caprolactone) bearing pendant hydroxyl groups as nanocarriers for doxorubicin delivery. <i>Biomacromolecules</i> , <b>2012</b> , 13, 3301-10	6.9	73
325	Three dimensionally printed mesoporous bioactive glass and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds for bone regeneration. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6106-6118	7.3	72
324	An injectable particle-hydrogel hybrid system for glucose-regulatory insulin delivery. <i>Acta Biomaterialia</i> , <b>2017</b> , 64, 334-345	10.8	70
323	Adjustable degradation and drug release of a thermosensitive hydrogel based on a pendant cyclic ether modified poly( $\epsilon$ -caprolactone) and poly(ethylene glycol)co-polymer. <i>Acta Biomaterialia</i> , <b>2012</b> , 8, 3963-73	10.8	66

322	Bioadhesive film formed from a novel organic-inorganic hybrid gel for transdermal drug delivery system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 79, 574-83	5.7	66
321	Perovskite/Organic Semiconductor-Based Photonic Synaptic Transistor for Artificial Visual System. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39487-39495	9.5	65
320	DOX/ICG Coencapsulated Liposome-Coated Thermosensitive Nanogels for NIR-Triggered Simultaneous Drug Release and Photothermal Effect. <i>ACS Biomaterials Science and Engineering</i> , <b>2018</b> , 4, 2424-2434	5.5	64
319	pH-Sensitive Nanomicelles for High-Efficiency siRNA Delivery in Vitro and in Vivo: An Insight into the Design of Polycations with Robust Cytosolic Release. <i>Nano Letters</i> , <b>2016</b> , 16, 6916-6923	11.5	63
318	Outage Probability of Decode-and-Forward Cognitive Relay in Presence of Primary User's Interference. <i>IEEE Communications Letters</i> , <b>2012</b> , 16, 1252-1255	3.8	61
317	Composites of electrospun-fibers and hydrogels: A potential solution to current challenges in biological and biomedical field. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 640-56	3.5	60
316	Stable green phosphorescence organic light-emitting diodes with low efficiency roll-off using a novel bipolar thermally activated delayed fluorescence material as host. <i>Chemical Science</i> , <b>2017</b> , 8, 1259-1268	9.4	60
315	Substitutions of strontium in mesoporous calcium silicate and their physicochemical and biological properties. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 6723-31	10.8	59
314	Recent Progress in Photonic Synapses for Neuromorphic Systems. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 1900136	6	59
313	Effects of hydrophobic core components in amphiphilic PDMAEMA nanoparticles on siRNA delivery. <i>Biomaterials</i> , <b>2015</b> , 48, 45-55	15.6	55
312	Improving the oral delivery efficiency of anticancer drugs by chitosan coated polycaprolactone-grafted hyaluronic acid nanoparticles. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4021-4033	7.3	54
311	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. <i>Biomacromolecules</i> , <b>2013</b> , 14, 3973-84	6.9	54
310	Graft copolymer nanoparticles with pH and reduction dual-induced disassemblable property for enhanced intracellular curcumin release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 13216-26	9.5	51
309	Synthesis of Nanogels via Cell Membrane-Templated Polymerization. <i>Small</i> , <b>2015</b> , 11, 4309-13	11	49
308	A new strategy to effectively alleviate volume expansion and enhance the conductivity of hierarchical MnO@C nanocomposites for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 21699-21708	13	47
307	A reconstituted "two into one" thermosensitive hydrogel system assembled by drug-loaded amphiphilic copolymer nanoparticles for the local delivery of paclitaxel. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 552-563	7.3	44
306	N-alkylated chitosan/graphene oxide porous sponge for rapid and effective hemostasis in emergency situations. <i>Carbohydrate Polymers</i> , <b>2019</b> , 219, 405-413	10.3	43
305	Effects of functional groups on the structure, physicochemical and biological properties of mesoporous bioactive glass scaffolds. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 1612-1623	7.3	43

304	pH-sensitive nanoparticles prepared from amphiphilic and biodegradable methoxy poly(ethylene glycol)-block-(polycaprolactone-graft-poly(methacrylic acid)) for oral drug delivery. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 1430-1438	4.9	43
303	Three-dimensional printing of cerium-incorporated mesoporous calcium-silicate scaffolds for bone repair. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 836-844	4.3	39
302	Synergistic dual-pH responsive copolymer micelles for pH-dependent drug release. <i>Nanoscale</i> , <b>2016</b> , 8, 1437-50	7.7	39
301	Surface Coating Constraint Induced Anisotropic Swelling of Silicon in Si-Void@SiO Nanowire Anode for Lithium-Ion Batteries. <i>Small</i> , <b>2017</b> , 13, 1603754	11	38
300	Reactive oxygen species (ROS) responsive PEG-PCL nanoparticles with pH-controlled negative-to-positive charge reversal for intracellular delivery of doxorubicin. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 9397-9408	7.3	38
299	Tailor-made compositional gradient copolymer by a many-shot RAFT emulsion polymerization method. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 3363-3371	4.9	38
298	Amphiphilic polyelectrolyte/prodrug nanoparticles constructed by synergetic electrostatic and hydrophobic interactions with cooperative pH-sensitivity for controlled doxorubicin delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 6340-50	9.5	37
297	A strategy for oral chemotherapy via dual pH-sensitive polyelectrolyte complex nanoparticles to achieve gastric survivability, intestinal permeability, hemodynamic stability and intracellular activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2015</b> , 97, 107-17	5.7	35
296	Facile Fabrication of Redox-Responsive Covalent Organic Framework Nanocarriers for Efficiently Loading and Delivering Doxorubicin. <i>Macromolecular Rapid Communications</i> , <b>2020</b> , 41, e1900570	4.8	35
295	A Multitasking Hydrogel Based on Double Dynamic Network with Quadruple-Stimuli Sensitiveness, Autonomic Self-Healing Property, and Biomimetic Adhesion Ability. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1700166	2.6	34
294	A novel transdermal drug delivery system based on self-adhesive Janus nanofibrous film with high breathability and monodirectional water-penetration. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2014</b> , 25, 713-28	3.5	34
293	Injectable, Biodegradable, Thermosensitive Nanoparticles-Aggregated Hydrogel with Tumor-Specific Targeting, Penetration, and Release for Efficient Postsurgical Prevention of Tumor Recurrence. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 19700-19711	9.5	33
292	Outage Probability of Two-Hop Fixed-Gain Relay with Interference at the Relay and Destination. <i>IEEE Communications Letters</i> , <b>2011</b> , 15, 608-610	3.8	32
291	The study of relationships between pKa value and siRNA delivery efficiency based on tri-block copolymers. <i>Biomaterials</i> , <b>2018</b> , 176, 84-93	15.6	32
290	Electrospinning of ibuprofen-loaded composite nanofibers for improving the performances of transdermal patches. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 3855-63	1.3	31
289	High-Performance 1-V ZnO Thin-Film Transistors With Ultrathin, ALD-Processed ZrO <sub>2</sub> Gate Dielectric. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 3382-3386	2.9	30
288	Tumor Microenvironment Activated Membrane Fusogenic Liposome with Speedy Antibody and Doxorubicin Delivery for Synergistic Treatment of Metastatic Tumors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9315-9326	9.5	28
287	Novel Bipolar Indole-Based Solution-Processed Host Material for Efficient Green and Red Phosphorescent OLEDs. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 14112-14119	9.5	28

286	Thin film encapsulation for organic light-emitting diodes using inorganic/organic hybrid layers by atomic layer deposition. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 169	5	28
285	Contribution of hydrophobic/hydrophilic modification on cationic chains of poly( $\epsilon$ -caprolactone)-graft-poly(dimethylamino ethylmethacrylate) amphiphilic co-polymer in gene delivery. <i>Acta Biomaterialia</i> , <b>2014</b> , 10, 670-9	10.8	28
284	Optimization of mechanical stiffness and cell density of 3D bioprinted cell-laden scaffolds improves extracellular matrix mineralization and cellular organization for bone tissue engineering. <i>Acta Biomaterialia</i> , <b>2020</b> , 114, 307-322	10.8	28
283	Low-temperature combustion synthesis and UV treatment processed p-type Li:NiOx active semiconductors for high-performance electronics. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12584-12591	7.1	28
282	An injectable nanocomposite hydrogel co-constructed with gold nanorods and paclitaxel-loaded nanoparticles for local chemo-photothermal synergetic cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 2667-2677	7.3	27
281	Alginate dependent changes of physical properties in 3D bioprinted cell-laden porous scaffolds affect cell viability and cell morphology. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 065009	3.5	27
280	Synthesis and characterization of CeO <sub>2</sub> -incorporated mesoporous calcium-silicate materials. <i>Microporous and Mesoporous Materials</i> , <b>2014</b> , 197, 244-251	5.3	27
279	Thermosensitive hydrogel system assembled by PTX-loaded copolymer nanoparticles for sustained intraperitoneal chemotherapy of peritoneal carcinomatosis. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2016</b> , 104, 251-9	5.7	27
278	Textile coatings configured by double-nanoparticles to optimally couple superhydrophobic and antibacterial properties. <i>Chemical Engineering Journal</i> , <b>2021</b> , 420, 127680	14.7	26
277	Surface crystallization and magnetic properties of FeCuSiBNbMo melt-spun nanocrystalline alloys. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 275-280	5.1	25
276	Stabilizing Lithium-Sulfur Batteries through Control of Sulfur Aggregation and Polysulfide Dissolution. <i>Small</i> , <b>2018</b> , 14, e1703816	11	25
275	Novel dual-functional coating with underwater self-healing and anti-protein-fouling properties by combining two kinds of microcapsules and a zwitterionic copolymer. <i>Progress in Organic Coatings</i> , <b>2019</b> , 127, 211-221	4.8	25
274	Electrospun Yb-Doped InO Nanofiber Field-Effect Transistors for Highly Sensitive Ethanol Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 38425-38434	9.5	24
273	Enhanced Stability in Zr-Doped ZnO TFTs With Minor Influence on Mobility by Atomic Layer Deposition. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 1760-1765	2.9	23
272	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. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 4667-4677	7.3	23
271	An injectable and tumor-specific responsive hydrogel with tissue-adhesive and nanomedicine-releasing abilities for precise locoregional chemotherapy. <i>Acta Biomaterialia</i> , <b>2019</b> , 96, 123-136	10.8	22
270	Inhibition of oxidative phosphorylation for enhancing citric acid production by <i>Aspergillus niger</i> . <i>Microbial Cell Factories</i> , <b>2015</b> , 14, 7	6.4	22
269	Development of FeSiBNbCu Nanocrystalline Soft Magnetic Alloys with High B <sub>s</sub> and Good Manufacturability. <i>Journal of Electronic Materials</i> , <b>2016</b> , 45, 4913-4918	1.9	22

268	Pronounced enhancement of glass-forming ability of Fe-Si-B-P bulk metallic glass in oxygen atmosphere. <i>Journal of Materials Research</i> , <b>2014</b> , 29, 1217-1222	2.5	22
267	Bright Blue Light-Emitting Doped Cesium Bromide Nanocrystals: Alternatives of Lead-Free Perovskite Nanocrystals for White LEDs. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900108	8.1	21
266	Elaboration on the Distribution of Hydrophobic Segments in the Chains of Amphiphilic Cationic Polymers for Small Interfering RNA Delivery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 32463-32474	9.5	21
265	Supramolecular Hydrogel from Nanoparticles and Cyclodextrins for Local and Sustained Nanoparticle Delivery. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1188-99	5.5	21
264	Solution Processed Amorphous ZnSnO Thin-Film Phototransistors. <i>IEEE Transactions on Electron Devices</i> , <b>2017</b> , 64, 206-210	2.9	20
263	A Modular Coassembly Approach to All-In-One Multifunctional Nanoplatform for Synergistic Codelivery of Doxorubicin and Curcumin. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	20
262	High-Efficiency Near Ultraviolet and Blue Organic Light-Emitting Diodes Using Star-Shaped Material as Emissive and Hosting Molecules. <i>Journal of Display Technology</i> , <b>2014</b> , 10, 642-646		20
261	Evaluation of Bacillus sp. MZS10 for decolorizing Azure B dye and its decolorization mechanism. <i>Journal of Environmental Sciences</i> , <b>2014</b> , 26, 1125-34	6.4	20
260	The Influence of Hafnium Doping on Density of States in Zinc Oxide Thin-Film Transistors Deposited via Atomic Layer Deposition. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 63	5	19
259	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 31743-31754	9.5	19
258	Influence of hot pressing sintering temperature and time on microstructure and mechanical properties of TiB <sub>2</sub> /TiN tool material. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 545, 1-5	5.3	19
257	Carbazyl RAFT agents synthesized by an improved aqueous phase method and their applications in RAFT polymerization. <i>European Polymer Journal</i> , <b>2008</b> , 44, 1071-1080	5.2	19
256	Artificial Synapse Emulated through Fully Aqueous Solution-Processed Low-Voltage InO Thin-Film Transistor with GdO Solid Electrolyte. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 980-988	9.5	19
255	Modulating the rigidity of nanoparticles for tumor penetration. <i>Chemical Communications</i> , <b>2018</b> , 54, 3014-3018	3.8	18
254	Poly(vinyl alcohol) electrospun nanofibrous membrane modified with spiro lactam rhodamine derivatives for visible detection and removal of metal ions. <i>RSC Advances</i> , <b>2014</b> , 4, 51381-51388	3.7	18
253	Design of mesoporous bioactive glass/hydroxyapatite composites for controllable co-delivery of chemotherapeutic drugs and proteins. <i>Materials Letters</i> , <b>2014</b> , 115, 194-197	3.3	18
252	Preparation and characterization of multifunctional magnetic mesoporous calcium silicate materials. <i>Science and Technology of Advanced Materials</i> , <b>2013</b> , 14, 055009	7.1	18
251	In vitro enhancement of lactate esters on the percutaneous penetration of drugs with different lipophilicity. <i>AAPS PharmSciTech</i> , <b>2010</b> , 11, 894-903	3.9	18

250	Effect of Two-Step Annealing on High Stability of a-IGZO Thin-Film Transistor. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 4262-4268	2.9	18
249	Ultrathin amorphous ZnGexSnO films for high performance ultra-thin-film transistors. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 013504	3.4	18
248	Supramolecular hydrogel based on high-solid-content mPECT nanoparticles and cyclodextrins for local and sustained drug delivery. <i>Biomaterials Science</i> , <b>2017</b> , 5, 698-706	7.4	17
247	Glutathione-induced amino-activatable micellar photosensitization platform for synergistic redox modulation and photodynamic therapy. <i>Biomaterials Science</i> , <b>2018</b> , 6, 1238-1249	7.4	17
246	Temperature-responsive in situ nanoparticle hydrogels based on hydrophilic pendant cyclic ether modified PEG-PCL-PEG. <i>Biomaterials Science</i> , <b>2016</b> , 4, 1493-502	7.4	17
245	Acid-induced disassemblable nanoparticles based on cyclic benzylidene acetal-functionalized graft copolymer via sequential RAFT and ATRP polymerization. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 1852	4.9	17
244	Separation and quantification of dead species in styrene RAFT polymerization by gradient polymer elution chromatography. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1314	4.9	17
243	High-performance organic field-effect transistors based on copper/copper sulphide bilayer source-drain electrodes. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 243303	3.4	17
242	A security mechanism of Web Services-based communication for wind power plants <b>2008</b> ,		17
241	Effect of surface crystallization on magnetic properties of Fe 82 Cu 1 Si 4 B 11.5 Nb 1.5 nanocrystalline alloy ribbons. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2017</b> , 438, 126-131	2.8	16
240	Structural mediation on polycation nanoparticles by sulfadiazine to enhance DNA transfection efficiency and reduce toxicity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 7542-51	9.5	16
239	An acetylcholinesterase biosensor with high stability and sensitivity based on silver nanowire-graphene-TiO for the detection of organophosphate pesticides.. <i>RSC Advances</i> , <b>2019</b> , 9, 25248-25256 <sup>16</sup>	3.7	16
238	Addition of AlTiB master alloys to improve the performances of alumina matrix ceramic materials. <i>Ceramics International</i> , <b>2007</b> , 33, 1319-1324	5.1	16
237	Pollen-Shaped Hierarchical Structure for Pressure Sensors with High Sensitivity in an Ultrabroad Linear Response Range. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 55362-55371	9.5	16
236	Layer-by-layer zwitterionic modification of diverse substrates with durable anti-corrosion and anti-fouling properties. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 6024-6034	7.3	15
235	Co-assembled and self-delivered epitope/CpG nanocomplex vaccine augments peptide immunogenicity for cancer immunotherapy. <i>Chemical Engineering Journal</i> , <b>2020</b> , 399, 125854	14.7	15
234	Acetylcholinesterase electrochemical biosensors with graphene-transition metal carbides nanocomposites modified for detection of organophosphate pesticides. <i>PLoS ONE</i> , <b>2020</b> , 15, e0231981	3.7	15
233	Nitrogen-Doped ZnO Film Fabricated Via Rapid Low-Temperature Atomic Layer Deposition for High-Performance ZnON Transistors. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 3283-3290	2.9	15

232	A simple and efficient approach to fabricate graphene/CNT hybrid transparent conductive films. <i>RSC Advances</i> , <b>2017</b> , 7, 52555-52560	3.7	15
231	Screening and Matching Amphiphilic Cationic Polymers for Efficient Antibiosis. <i>Biomacromolecules</i> , <b>2020</b> , 21, 5269-5281	6.9	15
230	Mechanistic insights into tunable luminescence and persistent luminescence of the full-color-emitting BCNO phosphors. <i>Carbon</i> , <b>2017</b> , 122, 176-184	10.4	14
229	Isometric scaling of above- and below-ground biomass at the individual and community levels in the understory of a sub-tropical forest. <i>Annals of Botany</i> , <b>2015</b> , 115, 303-13	4.1	14
228	Li-Ion Doping as a Strategy to Modulate the Electrical-Double-Layer for Improved Memory and Learning Behavior of Synapse Transistor Based on Fully Aqueous-Solution-Processed In <sub>2</sub> O <sub>3</sub> /ALiO Film. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901363	6.4	14
227	Surface modification by self-assembled coating with amphiphilic comb-shaped block copolymers: A solution to the trade-off among solubility, adsorption and coating stability. <i>Macromolecular Research</i> , <b>2013</b> , 21, 1127-1137	1.9	14
226	Facile and Efficient Synthesis of Fluorescence-Labeled RAFT Agents and Their Application in the Preparation of $\alpha$ - and $\omega$ -End-Fluorescence-Labeled Polymers. <i>Macromolecular Chemistry and Physics</i> , <b>2012</b> , 213, 1851-1862	2.6	14
225	Pressure-sensitive adhesive properties of poly(N-vinyl pyrrolidone)/D,L-lactic acid oligomer/glycerol/water blends for TDDS. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2010</b> , 21, 1-13	3.5	14
224	A novel hydrophilic adhesive matrix with self-enhancement for drug percutaneous permeation through rat skin. <i>Pharmaceutical Research</i> , <b>2009</b> , 26, 1398-406	4.5	14
223	A New Polymeric Light-Emitting Material with Pure Green Emission: Poly(fluorene-alt-quinoxaline) with Benzothiadiazole Groups in the Side Chain. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 651-656	2.6	14
222	Effect of O <sub>2</sub> plasma treatment on density-of-states in a-IGZO thin film transistors. <i>Electronic Materials Letters</i> , <b>2017</b> , 13, 45-50	2.9	13
221	High-Tactile Sensitivity of Piezoresistive Sensors With a Micro-Crack Structure Induced by Thin Film Tension. <i>IEEE Electron Device Letters</i> , <b>2019</b> , 40, 1519-1521	4.4	13
220	Facile Electrochemical Synthesis of ZnO/ZnS Heterostructure Nanorod Arrays. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, E84	3.9	13
219	3D Bioprinting of Human Tissues: Biofabrication, Bioinks, and Bioreactors. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	13
218	Small organic molecules based on oxazole/thiazole with excellent performances in green and red phosphorescent organic light-emitting diodes. <i>RSC Advances</i> , <b>2016</b> , 6, 51575-51582	3.7	13
217	Strategies and applications of covalent organic frameworks as promising nanoplatfoms in cancer therapy. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 3450-3483	7.3	13
216	The energy band tailored by Al incorporation in solution-processed IZO TFTs. <i>RSC Advances</i> , <b>2015</b> , 5, 37635-37639	3.7	12
215	Ethanol fermentation characteristics of recycled water by <i>Saccharomyces cerevisiae</i> in an integrated ethanol-methane fermentation process. <i>Bioresource Technology</i> , <b>2016</b> , 220, 609-614	11	12



214	The Size-Dependence of Electrochemical Thermodynamics of Metal Nanoparticles Electrodes in Theory and Experiment. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, H828-H835	3.9	12
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104	Cluster Identification and Properties of Outdoor Wideband MIMO Channel. <i>Vehicular Technology Conference-Fall (VTC-FALL), Proceedings, IEEE, 2007</i> ,		3
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83	Height gain modeling of outdoor-to-indoor path loss in metropolitan small cell based on measurements at 3.5 GHz <b>2014</b> ,		2
82	Relay-aided interference alignment and neutralization for 3-cellular interference channels <b>2014</b> ,		2
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80	Experimental investigation of MIMO relay channels statistics and capacity based on wideband outdoor measurements at 2.35 GHz. <i>Science China Information Sciences</i> , <b>2011</b> , 54, 1945-1956	3.4	2
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68	A Facile Strategy to Achieve Synergistic Multiple Hydrogen Bonding Interactions for Constructing Robust Hydrogels with Self-healing Capability, Shape Transformation and Actuation Function. <i>Macromolecular Chemistry and Physics</i> , <b>2021</b> , 222, 2000429	2.6	2
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66	Low cost ZnO/CdO thin films effectively reduce blue light-induced damage to RPE cells by display and lighting devices. <i>Molecular Crystals and Liquid Crystals</i> , <b>2018</b> , 676, 72-82	0.5	2
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64	Multifunctional polymer bearing malonylurea groups for the fabrication of coordination complexes and supramolecular assemblies. <i>European Polymer Journal</i> , <b>2021</b> , 156, 110616	5.2	2
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55	Joint signal-to-noise ratio-based transceiver design for amplify-and-forward multiple-input multiple-output relay systems. <i>IET Communications</i> , <b>2013</b> , 7, 903-909	1.3	1
54	Free gait generation based on discretization for a hexapod robot <b>2013</b> ,		1
53	Spatial Propagation Characteristics of 28 GHz Frequency Band in UMi Scenario <b>2017</b> ,		1

52	Optimization of Fermentation Medium for Citric Acid Production by <i>Aspergillus niger</i> . <i>Lecture Notes in Electrical Engineering</i> , <b>2015</b> , 497-507	0.2	1
51	Interference Neutralization and Alignment in Cognitive Relay Assisted 3-User Interference Channels <b>2014</b> ,		1
50	Joint Source-Relay Precoder and Decoder Designs for Amplify-and-Forward MIMO Relay System with Imperfect Channel State Information <b>2012</b> ,		1
49	Validation of Antenna Modeling Methodology in IMT-Advanced Channel Model. <i>International Journal of Antennas and Propagation</i> , <b>2012</b> , 2012, 1-9	1.2	1
48	A Robust Channel Estimation for Broadband OFDM Systems with Virtual Tones <b>2010</b> ,		1
47	Multiple Carrier Frequency Offsets Estimation in Cooperative OFDM Systems <b>2010</b> ,		1
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36	A time-dependent reliability analysis method for bearing lubrication. <i>Structural and Multidisciplinary Optimization</i> , <b>2020</b> , 61, 2125-2134	3.6	1
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33	Preparation and Performance of Sintered Fe-2Cu-2Mo-0.8C Materials Containing Different Forms of Molybdenum Powder. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
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30	Zigzag Hollow Cracks of Silver Nanoparticle Film Regulated by Its Drying Micro-environment. <i>Nanoscale Research Letters</i> , <b>2018</b> , 13, 354	5	1
29	A Novel Method for Estimating Continuous Motion and Time-Varying Stiffness of Human Elbow Joint <b>2018</b> ,		1
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1	Acetylcholinesterase electrochemical biosensors with graphene-transition metal carbides nanocomposites modified for detection of organophosphate pesticides <b>2020</b> , 15, e0231981	