

Yongqiang Wen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

2,174
citations

27
h-index

42
g-index

100
ext. papers

2,739
ext. citations

6.7
avg, IF

5.15
L-index

#	Paper	IF	Citations
94	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 596-604	2.6	204
93	Layered nanofiber sponge with an improved capacity for promoting blood coagulation and wound healing. <i>Biomaterials</i> , 2019 , 204, 70-79	15.6	111
92	Ultratrace DNA Detection Based on the Condensing-Enrichment Effect of Superwetable Microchips. <i>Advanced Materials</i> , 2015 , 27, 6878-84	24	104
91	A light-responsive release platform by controlling the wetting behavior of hydrophobic surface. <i>ACS Nano</i> , 2014 , 8, 744-51	16.7	84
90	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 188-192	4.8	79
89	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films: From Superhydrophobicity to Superhydrophilicity. <i>Chemistry of Materials</i> , 2006 , 18, 4984-4986	9.6	62
88	An enzyme-amplified lateral flow strip biosensor for visual detection of microRNA-224. <i>Talanta</i> , 2016 , 146, 648-54	6.2	61
87	Recent Advance on Mesoporous Silica Nanoparticles-Based Controlled Release System: Intelligent Switches Open up New Horizon. <i>Nanomaterials</i> , 2015 , 5, 2019-2053	5.4	51
86	Lateral flow biosensors based on the use of micro- and nanomaterials: a review on recent developments. <i>Mikrochimica Acta</i> , 2019 , 187, 70	5.8	51
85	DNA-based intelligent logic controlled release systems. <i>Chemical Communications</i> , 2012 , 48, 8410-2	5.8	46
84	Encapsulation of Thymol in Biodegradable Nanofiber via Coaxial Electrospinning and Applications in Fruit Preservation. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 1736-1741	5.7	45
83	Control of capillary behavior through target-responsive hydrogel permeability alteration for sensitive visual quantitative detection. <i>Nature Communications</i> , 2019 , 10, 1036	17.4	42
82	Highly efficient remote controlled release system based on light-driven DNA nanomachine functionalized mesoporous silica. <i>Nanoscale</i> , 2012 , 4, 4473-6	7.7	41
81	Photochemical-controlled switching based on azobenzene monolayer modified silicon (111) surface. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 14465-8	3.4	41
80	Stimuli-Responsive Nanocarrier for Co-delivery of MiR-31 and Doxorubicin To Suppress High MTEF4 Cancer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22767-22775	9.5	39
79	Programmable DNA switch for bioresponsive controlled release. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13811		39
78	Highly efficient antifogging and antibacterial food packaging film fabricated by novel quaternary ammonium chitosan composite. <i>Food Chemistry</i> , 2020 , 308, 125682	8.5	39

77	Fabrication of closed-cell polyimide inverse opal photonic crystals with excellent mechanical properties and thermal stability. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2262		37
76	Novel antimicrobial packaging film based on porous poly(lactic acid) nanofiber and polymeric coating for humidity-controlled release of thyme essential oil. <i>LWT - Food Science and Technology</i> , 2021 , 135, 110034	5.4	37
75	Controllable synthesis of versatile mesoporous organosilica nanoparticles as precision cancer theranostics. <i>Biomaterials</i> , 2020 , 256, 120191	15.6	33
74	Superhydrophilic cotton thread with temperature-dependent pattern for sensitive nucleic acid detection. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 951-957	11.8	32
73	Free-Blockage Mesoporous Anticancer Nanoparticles Based on ROS-Responsive Wetting Behavior of Nanopores. <i>Small</i> , 2017 , 13, 1701942	11	30
72	Mechanism research on a bioactive resveratrol- PLA-gelatin porous nano-scaffold in promoting the repair of cartilage defect. <i>International Journal of Nanomedicine</i> , 2018 , 13, 7845-7858	7.3	30
71	An ultrasensitive electrochemical immunosensor for apolipoprotein E4 based on fractal nanostructures and enzyme amplification. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 396-400	11.8	29
70	Functional DNA-based hydrogel intelligent materials for biomedical applications. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 1991-2009	7.3	28
69	Broadband antireflective superhydrophobic self-cleaning coatings based on novel dendritic porous particles. <i>RSC Advances</i> , 2016 , 6, 7864-7871	3.7	28
68	Cell micropatterns based on silicone-oil-modified slippery surfaces. <i>Nanoscale</i> , 2016 , 8, 18612-18615	7.7	27
67	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3530		26
66	Magnetized carbon nanotubes for visual detection of proteins directly in whole blood. <i>Analytica Chimica Acta</i> , 2017 , 993, 79-86	6.6	25
65	Microencapsulation of Thymol in Poly(lactide-co-glycolide) (PLGA): Physical and Antibacterial Properties. <i>Materials</i> , 2019 , 12,	3.5	25
64	Systematic study of dye loaded small mesoporous silica nanoparticles for detecting latent fingerprints on various substrates. <i>Journal of Porous Materials</i> , 2017 , 24, 13-20	2.4	25
63	Electrospun Nanofibers Containing TiO ₂ for the Photocatalytic Degradation of Ethylene and Delaying Postharvest Ripening of Bananas. <i>Food and Bioprocess Technology</i> , 2019 , 12, 281-287	5.1	24
62	Expanded 3D nanofibre sponge scaffolds by gas-foaming technique enhance peripheral nerve regeneration. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019 , 47, 491-500	6.1	23
61	Ultrahigh density data storage based on organic materials with SPM techniques. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3522-3533		23
60	Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14368-14372	16.4	22

59	A three-line lateral flow biosensor for logic detection of microRNA based on Y-shaped junction DNA and target recycling amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8195-8202	4.4	22
58	High-performance optoelectrical dual-mode memory based on spiropyran-containing polyimide. <i>Applied Physics Letters</i> , 2010 , 97, 253304	3.4	22
57	NIR powered Janus nanocarrier for deep tumor penetration. <i>Applied Materials Today</i> , 2020 , 18, 100504	6.6	21
56	Preparation of PAN@TiO ₂ Nanofibers for Fruit Packaging Materials with Efficient Photocatalytic Degradation of Ethylene. <i>Materials</i> , 2019 , 12,	3.5	20
55	Lateral flow assay for carbohydrate antigen 19-9 in whole blood by using magnetized carbon nanotubes. <i>Mikrochimica Acta</i> , 2017 , 184, 4287-4294	5.8	20
54	A controllable local drug delivery system based on porous fibers for synergistic treatment of melanoma and promoting wound healing. <i>Biomaterials Science</i> , 2019 , 7, 5084-5096	7.4	18
53	Nanofibrous composite aerogel with multi-bioactive and fluid gating characteristics for promoting diabetic wound healing. <i>Biomaterials</i> , 2021 , 276, 121040	15.6	18
52	High efficiency 3D nanofiber sponge for bilirubin removal used in hemoperfusion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 161-169	6	16
51	A flexible DNA modification approach towards construction of gold nanoparticle assemblies. <i>Chemical Communications</i> , 2012 , 48, 3963-5	5.8	16
50	A free-blockage controlled release system based on the hydrophobic/hydrophilic conversion of mesoporous silica nanopores. <i>Chemistry - A European Journal</i> , 2015 , 21, 2680-5	4.8	15
49	Facile synthesis of mesoporous organosilica nanobowls with bridged silsesquioxane framework by one-pot growth and dissolution mechanism. <i>Journal of Colloid and Interface Science</i> , 2018 , 528, 379-388	9.3	15
48	Controllable and reproducible construction of a SERS substrate and its sensing applications. <i>Nanoscale</i> , 2013 , 5, 523-6	7.7	15
47	Remarkably improved electromechanical actuation of polyurethane enabled by blending with silicone rubber. <i>RSC Advances</i> , 2017 , 7, 22900-22908	3.7	14
46	Photonic crystal boosted chemiluminescence reaction. <i>Laser and Photonics Reviews</i> , 2013 , 7, L39-L43	8.3	14
45	A Versatile Multiple Target Detection System Based on DNA Nano-assembled Linear FRET Arrays. <i>Scientific Reports</i> , 2016 , 6, 26879	4.9	14
44	Electrospun pullulan/PVA nanofibers integrated with thymol-loaded porphyrin metal-organic framework for antibacterial food packaging. <i>Carbohydrate Polymers</i> , 2021 , 270, 118391	10.3	14
43	Distinct electronic switching behaviors of triphenylamine-containing polyimide memories with different bottom electrodes. <i>Applied Physics Letters</i> , 2010 , 96, 213305	3.4	12
42	Reversible gold nanorod assembly triggered by pH-responsive DNA nanomachine. <i>Applied Physics Letters</i> , 2013 , 102, 123101	3.4	11

41	Enhanced nanoparticle-oligonucleotide conjugates for DNA nanomachine controlled surface-enhanced Raman scattering switch. <i>Applied Physics Letters</i> , 2011 , 98, 133704	3.4	11
40	Novel Thermally Stable Single-Component Organic-Memory Cell Based on Oxotitanium Phthalocyanine Material. <i>IEEE Electron Device Letters</i> , 2009 , 30, 931-933	4.4	11
39	Multifunctional DNA Hydrogels with Hydrocolloid-Cotton Structure for Regeneration of Diabetic Infectious Wounds. <i>Advanced Functional Materials</i> , 2106167	15.6	11
38	Core@Satellite Janus Nanomotors with pH-Responsive Multi-phoretic Propulsion. <i>Angewandte Chemie</i> , 2020 , 132, 14474-14478	3.6	10
37	Ultra-Trace Protein Detection by Integrating Lateral Flow Biosensor with Ultrasound Enrichment. <i>Analytical Chemistry</i> , 2021 , 93, 2996-3001	7.8	10
36	Wide Electrocaloric Temperature Range Induced by Ferroelectric to Antiferroelectric Phase Transition. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1672	2.6	9
35	Cellular Nanofiber Structure with Secretory Activity-Promoting Characteristics for Multicellular Spheroid Formation and Hair Follicle Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 7931-7941	9.5	9
34	Bioinspired photonic structures by the reflector layer of firefly lantern for highly efficient chemiluminescence. <i>Scientific Reports</i> , 2015 , 5, 12965	4.9	9
33	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenylspiropyran molecule. <i>Applied Physics Letters</i> , 2009 , 95, 183307	3.4	9
32	Controllable aggregates of silver nanoparticle induced by methanol for surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , 2012 , 101, 173109	3.4	9
31	A facile method of shielding from UV damage by polymer photonic crystals. <i>Polymer International</i> , 2008 , 57, 509-514	3.3	9
30	Highly regio- and enantioselective thermal [2 + 2] cycloaddition of coumarin in a crystalline inclusion complex under high vacuum. <i>Chemical Communications</i> , 2005 , 2732-4	5.8	9
29	pH-Responsive nano sensing valve with self-monitoring state property based on hydrophobicity switching. <i>RSC Advances</i> , 2016 , 6, 52292-52299	3.7	9
28	Smart Design of Small Pd Nanoparticles Confined in Hollow Carbon Nanospheres with Large Center-Radial Mesopores. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2517-2524	2.3	8
27	Small-Molecule SB216763-Loaded Microspheres Repair Peripheral Nerve Injury in Small Gap Tubulization. <i>Frontiers in Neuroscience</i> , 2019 , 13, 489	5.1	8
26	A high ON/OFF ratio organic film for photo- and electro-dual-mode recording. <i>Applied Physics Letters</i> , 2009 , 94, 163309	3.4	8
25	An injectable and biodegradable nano-photothermal DNA hydrogel enhances penetration and efficacy of tumor therapy. <i>Biomaterials Science</i> , 2021 , 9, 4904-4921	7.4	8
24	Voltage-Responsive Controlled Release Film with Cargo Release Self-Monitoring Property Based on Hydrophobicity Switching. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10992-10999	9.5	7

23	Cap-free dual stimuli-responsive biodegradable nanocarrier for controlled drug release and chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 8188-8195	7.3	7
22	Stable end-to-end assembly of gold nanorods directed by cyclic disulfide-modified DNA. <i>Applied Physics Letters</i> , 2012 , 101, 213701	3.4	6
21	Bioengineered microenvironment to culture early embryos. <i>Cell Proliferation</i> , 2020 , 53, e12754	7.9	6
20	A distance-based capillary biosensor using wettability alteration. <i>Lab on A Chip</i> , 2021 , 21, 719-724	7.2	6
19	An indirect ELISA-inspired dual-channel fluorescent immunoassay based on MPA-capped CdTe/ZnS QDs. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5437-5444	4.4	5
18	Distance-Based Biosensor for Ultrasensitive Detection of Uracil-DNA Glycosylase Using Membrane Filtration of DNA Hydrogel. <i>ACS Sensors</i> , 2021 , 6, 2395-2402	9.2	5
17	Reverse-Bumpy-Ball-Type-Nanoreactor-Loaded Nylon Membranes as Peroxidase-Mimic Membrane Reactors for a Colorimetric Assay for H ₂ O ₂ . <i>Sensors</i> , 2016 , 16, 465	3.8	5
16	A Voltage-Responsive Free-Blockage Controlled-Release System Based on Hydrophobicity Switching. <i>ChemPhysChem</i> , 2017 , 18, 1317-1323	3.2	4
15	Rapid detection of miRNA via development of consecutive adenines (polyA)-based electrochemical biosensors. <i>Biosensors and Bioelectronics</i> , 2021 , 198, 113830	11.8	4
14	Electrospun functional polymeric nanofibers for active food packaging: A review. <i>Food Chemistry</i> , 2022 , 391, 133239	8.5	4
13	Dual Stimuli-Responsive Controlled Release Nanocarrier for Multidrug Resistance Cancer Therapy. <i>ChemPhysChem</i> , 2019 , 20, 3271-3275	3.2	3
12	Recent Progress in Intelligent Wearable Sensors for Health Monitoring and Wound Healing Based on Biofluids. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 765987	5.8	3
11	Strongly phosphorescent and water-soluble gold(I)-silver(I)-cysteine nanoplatelets via versatile small biomolecule cysteine-assisted synthesis for intracellular hypochlorite detection. <i>Biosensors and Bioelectronics</i> , 2021 , 193, 113571	11.8	3
10	Enrichment and Viability Inhibition of Circulating Tumor Cells on a Dual Acid-Responsive Composite Nanofiber Film. <i>ChemMedChem</i> , 2017 , 12, 529-536	3.7	2
9	Wettability alteration in a functional capillary tube for visual quantitative point of care testing. <i>Analyst, The</i> , 2018 , 143, 3001-3005	5	2
8	Photo- and pH-responsive Electrospun Polymer Films: Wettability and Protein Adsorption Characteristics. <i>Chemistry Letters</i> , 2015 , 44, 1368-1370	1.7	1
7	A Multimode Responsive Aptasensor for Adenosine Detection. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	1
6	Using bimetallic Au/Cu nanoplatelets for construction of facile and label-free inner filter effect-based photoluminescence sensing platform for sarcosine detection.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339331	6.6	1

5	A Facile Method to Fabricate Anisotropic Extracellular Matrix with 3D Printing Topological Microfibers. <i>Materials</i> , 2019 , 12,	3.5	1
4	Enzyme-responsive food packaging system based on pectin-coated poly (lactic acid) nanofiber films for controlled release of thymol. <i>Food Research International</i> , 2022 , 111256	7	1
3	XT-type DNA hydrogels loaded with VEGF and NGF promote peripheral nerve regeneration a biphasic release profile. <i>Biomaterials Science</i> , 2021 , 9, 8221-8234	7.4	0
2	Identification of a novel anti-heat shock cognate 71kDa protein antibody in patients with Kawasaki disease. <i>Molecular Medicine Reports</i> , 2020 , 21, 1771-1778	2.9	0
1	Smart Design of Small Pd Nanoparticles Confined in Hollow Carbon Nanospheres with Large Center-Radial Mesopores. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2516-2516	2.3	