

Kai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

128
papers

8,271
citations

117625

34
h-index

48315

88
g-index

130
all docs

130
docs citations

130
times ranked

10825
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Photoluminescent Carbon Dots for Multicolor Patterning, Sensors, and Bioimaging. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3953-3957.	13.8	2,907
2	Assembly-Induced Enhancement of Cu Nanoclusters Luminescence with Mechanochromic Property. <i>Journal of the American Chemical Society</i> , 2015, 137, 12906-12913.	13.7	367
3	One-Step Hydrothermal Synthesis of Nitrogen-Doped Conjugated Carbonized Polymer Dots with 31% Efficient Red Emission for In Vivo Imaging. <i>Small</i> , 2018, 14, e1703919.	10.0	317
4	Deep Red Emissive Carbonized Polymer Dots with Unprecedented Narrow Full Width at Half Maximum. <i>Advanced Materials</i> , 2020, 32, e1906641.	21.0	271
5	One-step hydrothermal synthesis of photoluminescent carbon nanodots with selective antibacterial activity against <i>Porphyromonas gingivalis</i> . <i>Nanoscale</i> , 2017, 9, 7135-7142.	5.6	201
6	Investigating the surface state of graphene quantum dots. <i>Nanoscale</i> , 2015, 7, 7927-7933.	5.6	196
7	Monodisperse Silica-Polymer Core-Shell Microspheres via Surface Grafting and Emulsion Polymerization. <i>Macromolecular Materials and Engineering</i> , 2003, 288, 380-385.	3.6	187
8	An injectable and thermosensitive hydrogel: Promoting periodontal regeneration by controlled-release of aspirin and erythropoietin. <i>Acta Biomaterialia</i> , 2019, 86, 235-246.	8.3	170
9	Aspirin-Based Carbon Dots, a Good Biocompatibility of Material Applied for Bioimaging and Anti-Inflammation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32706-32716.	8.0	140
10	Hollow Titania Spheres with Movable Silica Spheres Inside. <i>Langmuir</i> , 2004, 20, 11312-11314.	3.5	125
11	Remaining Useful Life Prediction of Lithium-Ion Batteries Using Neural Network and Bat-Based Particle Filter. <i>IEEE Access</i> , 2019, 7, 54843-54854.	4.2	83
12	La,Al-Codoped SrTiO ₃ as a Photocatalyst in Overall Water Splitting: Significant Surface Engineering Effects on Defect Engineering. <i>ACS Catalysis</i> , 2021, 11, 11429-11439.	11.2	83
13	Sensitive detection of microRNA in complex biological samples by using two stages DSN-assisted target recycling signal amplification method. <i>Biosensors and Bioelectronics</i> , 2017, 87, 358-364.	10.1	78
14	Hole Transfer Channel of Ferrihydrite Designed between TiFe ₂ O ₃ and CoPi as an Efficient and Durable Photoanode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10971-10978.	6.7	71
15	A Universal Approach to Fabricate Various Nanoring Arrays Based on a Colloidal-Crystal-Assisted Lithography Strategy. <i>Advanced Functional Materials</i> , 2008, 18, 4036-4042.	14.9	64
16	Ziyuglycoside II induces cell cycle arrest and apoptosis through activation of ROS/JNK pathway in human breast cancer cells. <i>Toxicology Letters</i> , 2014, 227, 65-73.	0.8	62
17	Label-free and ultrasensitive fluorescence detection of cocaine based on a strategy that utilizes DNA-templated silver nanoclusters and the nicking endonuclease-assisted signal amplification method. <i>Chemical Communications</i> , 2014, 50, 180-182.	4.1	61
18	A strategy combining 3D-DNA Walker and CRISPR-Cas12a trans-cleavage activity applied to MXene based electrochemiluminescent sensor for SARS-CoV-2 RdRp gene detection. <i>Talanta</i> , 2022, 236, 122868.	5.5	59

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19	Surface Ligand Dynamics-Guided Preparation of Quantum Dots@Cellulose Composites for Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 15830-15839.	8.0	57
20	Puerarin inhibits amyloid β -induced NLRP3 inflammasome activation in retinal pigment epithelial cells via suppressing ROS-dependent oxidative and endoplasmic reticulum stresses. <i>Experimental Cell Research</i> , 2017, 357, 335-340.	2.6	56
21	Amyloid β induces NLRP3 inflammasome activation in retinal pigment epithelial cells via NADPH oxidase- and mitochondria-dependent ROS production. <i>Journal of Biochemical and Molecular Toxicology</i> , 2017, 31, e21887.	3.0	53
22	Binding-induced and label-free colorimetric method for protein detection based on autonomous assembly of hemin/G-quadruplex DNAzyme amplification strategy. <i>Biosensors and Bioelectronics</i> , 2015, 64, 572-578.	10.1	52
23	Codelivery of doxorubicin and MDR1-siRNA by mesoporous silica nanoparticles-polymerpolyethylenimine to improve oral squamous carcinoma treatment. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 187-198.	6.7	49
24	A Sunlight Powered Portable Photoelectrochemical Biosensor Based on a Potentiometric Resolved Ratiometric Principle. <i>Analytical Chemistry</i> , 2018, 90, 13207-13211.	6.5	49
25	Sulfidization of Platinum Nickel Bimetal-Decorated g-C ₃ N ₄ for Photocatalytic Hydrogen Production: Photogenerated Charge Behavior Study. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15137-15145.	6.7	45
26	Photoluminescent graphene quantum dots for in vitro and in vivo bioimaging using long wavelength emission. <i>RSC Advances</i> , 2015, 5, 39399-39403.	3.6	42
27	Interleukin-6 contributes to chemoresistance in MDA-MB-231 cells via targeting HIF-1 α . <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22039.	3.0	40
28	One-step preparation of silica microspheres with super-stable ultralong room temperature phosphorescence. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8680-8687.	5.5	40
29	Ascorbic Acid-PEI Carbon Dots with Osteogenic Effects as miR-2861 Carriers to Effectively Enhance Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 50287-50302.	8.0	40
30	Graphene quantum dot based "switch-on" nanosensors for intracellular cytokine monitoring. <i>Nanoscale</i> , 2017, 9, 4934-4943.	5.6	37
31	DNA-templated silver nanoclusters based label-free fluorescent molecular beacon for the detection of adenosine deaminase. <i>Biosensors and Bioelectronics</i> , 2014, 52, 124-128.	10.1	36
32	Chelation competition induced polymerization (CCIP): construction of integrated hollow polydopamine nanocontainers with tailorable functionalities. <i>Chemical Communications</i> , 2016, 52, 10155-10158.	4.1	36
33	A novel method for the layer-by-layer assembly of metal nanoparticles transported by polymer microspheres. <i>Journal of Materials Chemistry</i> , 2003, 13, 514-517.	6.7	35
34	A facile two-step etching method to fabricate porous hollow silica particles. <i>Journal of Colloid and Interface Science</i> , 2012, 384, 22-28.	9.4	35
35	Rational design of signal-on biosensors by using photoinduced electron transfer between Ag nanoclusters and split G-quadruplex halves@hemin complexes. <i>Chemical Communications</i> , 2014, 50, 14221-14224.	4.1	35
36	Ultrasensitive detection of microRNA with isothermal amplification and a time-resolved fluorescence sensor. <i>Biosensors and Bioelectronics</i> , 2014, 57, 91-95.	10.1	35

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37	Galectin-1 knockdown in carcinoma-associated fibroblasts inhibits migration and invasion of human MDA-MB-231 breast cancer cells by modulating MMP-9 expression. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 462-467.	2.0	32
38	Metformin Carbon Dots for Promoting Periodontal Bone Regeneration via Activation of ERK/AMPK Pathway. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100196.	7.6	32
39	Hollow mesoporous carbon nanocages with Fe isolated single atomic site derived from a MOF/polymer for highly efficient electrocatalytic oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 22095-22101.	10.3	32
40	Hierarchical Hollow Nanocages Derived from Polymer/Cobalt Complexes for Electrochemical Overall Water Splitting. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10912-10919.	6.7	31
41	Solar-Enhanced CO ₂ Conversion with CH ₄ over Synergetic NiCo Alloy Catalysts with Light-Fuel Efficiency of 33.8%. <i>Solar Rrl</i> , 2021, 5, 2100185.	5.8	31
42	DNA Tetrahedron Based Biosensor for Argonaute2 Assay in Single Cells and Human Immunodeficiency Virus Type-1 Related Ribonuclease H Detection in Vitro. <i>Analytical Chemistry</i> , 2019, 91, 7086-7096.	6.5	30
43	Sensitive and selective amplified visual detection of cytokines based on exonuclease III-aided target recycling. <i>Chemical Communications</i> , 2014, 50, 13342-13345.	4.1	29
44	A label-free kissing complexes-induced fluorescence aptasensor using DNA-templated silver nanoclusters as a signal transducer. <i>Biosensors and Bioelectronics</i> , 2016, 78, 154-159.	10.1	28
45	Tetramethylpyrazine Protects Retinal Capillary Endothelial Cells (TR-iBRB2) against IL-1 β -Induced Nitrate/Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21775-21790.	4.1	26
46	FoxM1 inhibition enhances chemosensitivity of docetaxel-resistant A549 cells to docetaxel via activation of JNK/mitochondrial pathway. <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 804-809.	2.0	26
47	Highly efficient aqueous-processed polymer/nanocrystal hybrid solar cells with an aqueous-processed TiO ₂ electron extraction layer. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11738-11746.	10.3	26
48	Sensitive detection of transcription factors in cell nuclear extracts by using a molecular beacons based amplification strategy. <i>Biosensors and Bioelectronics</i> , 2016, 77, 264-269.	10.1	26
49	Ziyuglycoside I Inhibits the Proliferation of MDA-MB-231 Breast Carcinoma Cells through Inducing p53-Mediated G2/M Cell Cycle Arrest and Intrinsic/Extrinsic Apoptosis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1903.	4.1	25
50	Puerarin Protects Human Neuroblastoma SH-SY5Y Cells against Glutamate-Induced Oxidative Stress and Mitochondrial Dysfunction. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 22-28.	3.0	25
51	Chelation Competition Induced Polymerization (CCIP): A Binding Energy Based Strategy for Nonspherical Polymer Nanocontainers TM Fabrication. <i>Chemistry of Materials</i> , 2017, 29, 6536-6543.	6.7	25
52	The effect of puerarin against IL-1 β -mediated leukostasis and apoptosis in retinal capillary endothelial cells (TR-iBRB2). <i>Molecular Vision</i> , 2014, 20, 1815-23.	1.1	25
53	Induction of oxidative and nitrosative stresses in human retinal pigment epithelial cells by all-trans-retinal. <i>Experimental Cell Research</i> , 2016, 348, 87-94.	2.6	24
54	Highly Selective Production of Ethanol Over Hierarchical Bi@Bi ₂ MoO ₆ Composite via Bicarbonate-Assisted Photocatalytic CO ₂ Reduction. <i>ChemSusChem</i> , 2021, 14, 3293-3302.	6.8	24

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55	Inverted perovskite/silicon V-shaped tandem solar cells with 27.6% efficiency via self-assembled monolayer-modified nickel oxide layer. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7251-7262.	10.3	24
56	Utilizing in-situ polymerization of pyrrole to fabricate composited hollow nanospindles for boosting oxygen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2020, 274, 119112.	20.2	23
57	Facile synthesis of manganese oxide loaded hollow silica particles and their application for methylene blue degradation. <i>Journal of Colloid and Interface Science</i> , 2013, 405, 28-34.	9.4	22
58	Ordered Hybrid Micro/Nanostructures and Their Optical Applications. <i>Advanced Optical Materials</i> , 2019, 7, 1800980.	7.3	22
59	In Situ Assembly of MoS ₂ Thin Film through Self-Reduction on p-Si for Drastic Enhancement of Photoelectrochemical Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2021, 31, 2007071.	14.9	22
60	Boosting Photocatalytic Oxygen Evolution: Purposely Constructing Direct Z-Scheme Photoanode by Modulating the Interface Electric Field. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 1059-1067.	2.6	22
61	Electrophoretic deposition of fluorescent Cu and Au sheets for light-emitting diodes. <i>Nanoscale</i> , 2016, 8, 395-402.	5.6	21
62	A new strategy based on aptasensor to time-resolved fluorescence assay for adenosine deaminase activity. <i>Biosensors and Bioelectronics</i> , 2013, 41, 123-128.	10.1	20
63	Neuroprotective Effect of Puerarin on Glutamate-Induced Cytotoxicity in Differentiated Y-79 Cells via Inhibition of ROS Generation and Ca ²⁺ Influx. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1109.	4.1	20
64	An enzyme substrate binding aptamer complex based time-resolved fluorescence sensor for the adenosine deaminase detection. <i>Biosensors and Bioelectronics</i> , 2013, 42, 87-92.	10.1	19
65	Efficiently engineered cell sheet using a complex of polyethylenimine–alginate nanocomposites plus bone morphogenetic protein 2 gene to promote new bone formation. <i>International Journal of Nanomedicine</i> , 2014, 9, 2179.	6.7	19
66	Platelet-driven formation of interface peptide nano-network biosensor enabling a non-invasive means for early detection of Alzheimer's disease. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111701.	10.1	19
67	Carbon Dots Induce Epithelial-Mesenchymal Transition for Promoting Cutaneous Wound Healing via Activation of TGF- β 2/p38/Snail Pathway. <i>Advanced Functional Materials</i> , 2020, 30, 2004886.	14.9	19
68	Modification of Metal-Organic Framework Nanoparticles Using Dental Pulp Mesenchymal Stem Cell Membranes to Target Oral Squamous Cell Carcinoma. <i>Journal of Colloid and Interface Science</i> , 2021, 601, 650-660.	9.4	19
69	Deep-Blue Room-Temperature Phosphorescent Carbon Dots/Silica Microparticles from a Single Raw Material. <i>Langmuir</i> , 2021, 37, 13187-13193.	3.5	19
70	Effective delivery of bone morphogenetic protein 2 gene using chitosan-polyethylenimine nanoparticle to promote bone formation. <i>RSC Advances</i> , 2016, 6, 34081-34089.	3.6	18
71	Ultrasensitive fluorescence detection of transcription factors based on kiss complex formation and the T7 RNA polymerase amplification method. <i>Chemical Communications</i> , 2017, 53, 5846-5849.	4.1	18
72	Sensitive detection of cytokine in complex biological samples by using MB track mediated DNA walker and nicking enzyme assisted signal amplification method combined biosensor. <i>Talanta</i> , 2018, 189, 122-128.	5.5	18

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73	A Dual Photoelectrode Photoassisted Fe ²⁺ /Air Battery: The Photo ²⁺ Electrocatalysis Mechanism Accounting for the Improved Oxygen Evolution Reaction and Oxygen Reduction Reaction of Air Electrodes. <i>Small</i> , 2022, 18, e2103933.	10.0	18
74	Entropy-driven reactions in living cells for assay let-7a microRNA. <i>Analytica Chimica Acta</i> , 2017, 949, 53-58.	5.4	17
75	Carbonized polymer dots/TiO ₂ photonic crystal heterostructures with enhanced light harvesting and charge separation for efficient and stable photocatalysis. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2659-2667.	5.9	16
76	Polyphyllin I Induces Cell Cycle Arrest and Cell Apoptosis in Human Retinoblastoma Y-79 Cells through Targeting p53. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018, 18, 875-881.	1.7	16
77	Facile fabrication of mesoporous N-doped Fe ₃ O ₄ @C nanospheres as superior anodes for Li-ion batteries. <i>RSC Advances</i> , 2014, 4, 713-716.	3.6	15
78	Ultrasensitive detection of hERG potassium channel in single-cell with photocleavable and entropy-driven reactions by using an electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2019, 132, 310-318.	10.1	15
79	Bone formation promoted by bone morphogenetic protein-2 plasmid-loaded porous silica nanoparticles with the involvement of autophagy. <i>Nanoscale</i> , 2019, 11, 21953-21963.	5.6	15
80	Construction of hollow polydopamine nanoparticle based drug sustainable release system and its application in bone regeneration. <i>International Journal of Oral Science</i> , 2021, 13, 27.	8.6	15
81	Utilizing tannic acid and polypyrrole to induce reconstruction to optimize the activity of MOF-derived electrocatalyst for water oxidation in seawater. <i>Chemical Engineering Journal</i> , 2022, 430, 132632.	12.7	15
82	Establishment and Validation of a Time-Resolved Fluoroimmunoassay for Chlorpromazine. <i>Food Analytical Methods</i> , 2012, 5, 625-630.	2.6	14
83	A new method for the detection of adenosine based on time-resolved fluorescence sensor. <i>Biosensors and Bioelectronics</i> , 2013, 49, 226-230.	10.1	14
84	Multifunctional Reversible Fluorescent Controller Based on a One-Dimensional Photonic Crystal. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28844-28852.	8.0	14
85	A new method for sensitive detection of microphthalmia-associated transcription factor based on α -OFF-state and α -ON-state equilibrium of a well-designed probe and duplex-specific nuclease signal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 87, 299-304.	10.1	14
86	Strategy for the detection of mercury ions by using exonuclease III-aided target recycling. <i>RSC Advances</i> , 2017, 7, 50420-50424.	3.6	12
87	Neuroprotective effect of tetramethylpyrazine against all-trans-retinal toxicity in the differentiated Y-79 cells via upregulation of IRBP expression. <i>Experimental Cell Research</i> , 2017, 359, 120-128.	2.6	12
88	Ultrasensitive detection of transcription factors with a highly-efficient diaminoterephthalate fluorophore <i>via</i> an electrogenerated chemiluminescence strategy. <i>Chemical Communications</i> , 2019, 55, 11892-11895.	4.1	12
89	Current dilemma in photocatalytic CO ₂ reduction: real solar fuel production or false positive outcomings?. , 2022, 1, 1.		12
90	Characteristics of three sizes of silica nanoparticles in the osteoblastic cell line, MC3T3-E1. <i>RSC Advances</i> , 2014, 4, 46481-46487.	3.6	11

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91	A new signal-on method for the detection of protein based on binding-induced strategy and photoinduced electron transfer between Ag nanoclusters and split G-quadruplex-hemin complexes. <i>Analytica Chimica Acta</i> , 2015, 887, 224-229.	5.4	11
92	Hollow Polypyrrole Nanospindles for Highly Effective Cancer Therapy. <i>ChemPlusChem</i> , 2018, 83, 1127-1134.	2.8	11
93	Design and synthesis of dodecahedral carbon nanocages incorporated with Fe ₃ O ₄ . <i>RSC Advances</i> , 2017, 7, 13257-13262.	3.6	10
94	Fluorescence Manipulation of Carbon Dots by 1D Photonic Crystals. <i>Advanced Optical Materials</i> , 2018, 6, 1701262.	7.3	10
95	Triggering p53 activation is essential in ziyuglycoside induced human retinoblastoma WERI cell apoptosis. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22001.	3.0	10
96	Synthesis and characterization of polymer brushes containing metal nanoparticles. <i>Polymer Bulletin</i> , 2006, 57, 253-259.	3.3	9
97	Gas1 Knockdown Increases the Neuroprotective Effect of Glial Cell-Derived Neurotrophic Factor Against Glutamate-Induced Cell Injury in Human SH-SY5Y Neuroblastoma Cells. <i>Cellular and Molecular Neurobiology</i> , 2016, 36, 603-611.	3.3	9
98	Au-Edged CuZnSe ₂ Heterostructured Nanosheets with Enhanced Electrochemical Performance. <i>Small</i> , 2015, 11, 3583-3590.	10.0	8
99	Determination of the activity of uracil-DNA glycosylase by using two-tailed reverse transcription PCR and gold nanoparticle-mediated silver nanocluster fluorescence: a new method for gene therapy-related enzyme detection. <i>Mikrochimica Acta</i> , 2019, 186, 181.	5.0	8
100	Selective Growth of Stacking Fault Free $\sim 100\text{\AA}$ Nanowires on a Polycrystalline Substrate for Energy Conversion Application. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 17676-17685.	8.0	8
101	Nickel doping as an effective strategy to promote separation of photogenerated charge carriers for efficient solar-fuel production. <i>Catalysis Science and Technology</i> , 2021, 11, 4012-4015.	4.1	8
102	Sustained release poly (lactic-co-glycolic acid) microspheres of bone morphogenetic protein 2 plasmid/calcium phosphate to promote in vitro bone formation and in vivo ectopic osteogenesis. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2561-72.	0.0	8
103	The preparation of hollow Fe ₃ O ₄ /Pd@C NCs to stabilize subminiature Pd nanoparticles for the reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2020, 44, 4869-4876.	2.8	7
104	The effect of Fe(III) ions on oxygen-vacancy-rich BiVO ₄ on the photocatalytic oxygen evolution reaction. <i>Catalysis Science and Technology</i> , 2021, 11, 7598-7607.	4.1	7
105	Synthesis and properties of novel macromolecular coupling agents prepared by ATRP. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3919-3926.	2.6	6
106	A label-free kissing complex-induced fluorescence sensor for DNA and RNA detection by using DNA-templated silver nanoclusters as a signal transducer. <i>RSC Advances</i> , 2016, 6, 99269-99273.	3.6	6
107	Synthesis and characterization of novel star polymer with β -cyclodextrin core and its metal complexes. <i>Journal of Applied Polymer Science</i> , 2007, 106, 28-33.	2.6	5
108	A novel dual-emission QDs/PCDs assembled composite nanoparticle for high sensitive visual detection of Hg ²⁺ . <i>RSC Advances</i> , 2017, 7, 49330-49336.	3.6	5

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109	In situ imaging and interfering Dicer-mediated cleavage process via a versatile molecular beacon probe. <i>Analytica Chimica Acta</i> , 2019, 1079, 146-152.	5.4	5
110	Facile Synthesis of ZnO-Au Nanopetals and Their Application for Biomolecule Determinations. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 924-928.	2.6	5
111	Peptide-Based Biosensing of Redox-Active Protein-Heme Complexes Indicates Novel Mechanism for Tumor Survival under Oxidative Stress. <i>ACS Sensors</i> , 2019, 4, 2671-2678.	7.8	5
112	Visualized Detection of Polyelectrolytes via 1D Photonic Crystals. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801433.	3.7	5
113	High level soluble expression, purification, and characterization of human ciliary neurotrophic factor in <i>Escherichia coli</i> by single protein production system. <i>Protein Expression and Purification</i> , 2014, 96, 8-13.	1.3	4
114	Sensitive and selective amplified detection of silver ion based on NEase-aided target recycling. <i>RSC Advances</i> , 2015, 5, 89047-89051.	3.6	4
115	Activatable Matryoshka-nanosystem delivery NgBR siRNA and control drug release for stepwise therapy and evaluate drug resistance cancer. <i>Materials Today Bio</i> , 2022, 14, 100245.	5.5	4
116	What Role Does the Incident Light Intensity Play in Photocatalytic Conversion of CO ₂ : Attenuation or Intensification?. <i>ChemPhysChem</i> , 2022, 23, e202100851.	2.1	4
117	Synthesis and properties of novel end-functionalized polybutylacrylate and its metal complexes. <i>Polymer Bulletin</i> , 2005, 55, 447-456.	3.3	3
118	Au nanorods-sensitized 1DPC for visible detection of NIR light. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2942-2950.	5.5	3
119	Solar-Enhanced CO ₂ Conversion with CH ₄ over Synergetic NiCo Alloy Catalysts with Light-to-Fuel Efficiency of 33.8%. <i>Solar Rrl</i> , 2021, 5, 2170085.	5.8	3
120	Preparation of fluorescent poly(methylmethacrylate) nano capsules via internal phase separation. <i>E-Polymers</i> , 2007, 7, .	3.0	2
121	Synthesis and Assembly of Core/Shell Nanospheres. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 7428-31.	0.9	2
122	Enabling Molecular Gapping and Bridging on a Biosensing Surface via Electrochemical Cross-Linking and Cleavage. <i>Analytical Chemistry</i> , 2020, 92, 2635-2641.	6.5	2
123	Experimental Study of the Effect of the Expansion Segment Geometry on the Atomization of a Plain-Jet Airblast Atomizer. <i>International Journal of Aerospace Engineering</i> , 2021, 2021, 1-15.	0.9	2
124	Two-substrate vertical deposition for stable colloidal crystal chips. <i>Science Bulletin</i> , 2005, 50, 765-769.	1.7	1
125	Inside Front Cover: A Universal Approach to Fabricate Various Nanoring Arrays Based on a Colloidal-Crystal-Assisted-Lithography Strategy (<i>Adv. Funct. Mater.</i> 24/2008). <i>Advanced Functional Materials</i> , 2008, 18, NA-NA.	14.9	0
126	Heterostructures: Au-Edged CuZnSe ₂ Heterostructured Nanosheets with Enhanced Electrochemical Performance (<i>Small</i> 29/2015). <i>Small</i> , 2015, 11, 3582-3582.	10.0	0

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127	A sensitive RNA chaperone assay using induced RNA annealing by duplex specific nuclease for amplification. <i>Analytica Chimica Acta</i> , 2018, 1033, 199-204.	5.4	0
128	RNA chaperone assisted intramolecular annealing reaction towards oligouridylated RNA detection in cancer cells. <i>Analyst, The</i> , 2019, 144, 186-190.	3.5	0