

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.

162 papers	4,883 citations	39 h-index	64 g-index
177 ext. papers	5,916 ext. citations	8.6 avg, IF	6.17 L-index

#	Paper	IF	Citations
162	Selective Naked-Eye Detection of SARS-CoV-2 Mediated by N Gene Targeted Antisense Oligonucleotide Capped Plasmonic Nanoparticles. <i>ACS Nano</i> , 2020 , 14, 7617-7627	16.7	372
161	Manganese-based MRI contrast agents: past, present and future. <i>Tetrahedron</i> , 2011 , 67, 8431-8444	2.4	258
160	Rapid, Ultrasensitive, and Quantitative Detection of SARS-CoV-2 Using Antisense Oligonucleotides Directed Electrochemical Biosensor Chip. <i>ACS Nano</i> , 2020 ,	16.7	178
159	Folic acid-conjugated nanostructured materials designed for cancer cell targeting. <i>Chemical Communications</i> , 2003 , 2400-1	5.8	155
158	Ligand-directed nanobialys as theranostic agent for drug delivery and manganese-based magnetic resonance imaging of vascular targets. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9186-7	16.4	152
157	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. <i>Biomaterials</i> , 2010 , 31, 4088-93	15.6	140
156	Molecular photoacoustic imaging of angiogenesis with integrin-targeted gold nanobeacons. <i>FASEB Journal</i> , 2011 , 25, 875-82	0.9	138
155	A Green Synthesis of Carbon Nanoparticle from Honey for Real-Time Photoacoustic Imaging. <i>Nano Research</i> , 2013 , 6, 312-325	10	134
154	Computed tomography in color: NanoK-enhanced spectral CT molecular imaging. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9635-9	16.4	129
153	Revisiting an old friend: manganese-based MRI contrast agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011 , 3, 162-73	9.2	127
152	An early investigation of ytterbium nanocolloids for selective and quantitative "multicolor" spectral CT imaging. <i>ACS Nano</i> , 2012 , 6, 3364-70	16.7	101
151	Nanomedicine: perspective and promises with ligand-directed molecular imaging. <i>European Journal of Radiology</i> , 2009 , 70, 274-85	4.7	82
150	Photoacoustic sentinel lymph node imaging with self-assembled copper neodecanoate nanoparticles. <i>ACS Nano</i> , 2012 , 6, 1260-7	16.7	81
149	Molecular photoacoustic tomography with colloidal nanobeacons. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4170-3	16.4	80
148	Unraveling the Fluorescence Mechanism of Carbon Dots with -Single-Particle Resolution. <i>ACS Nano</i> , 2020 , 14, 6127-6137	16.7	76
147	Nanomedicine strategies for molecular targets with MRI and optical imaging. <i>Future Medicinal Chemistry</i> , 2010 , 2, 471-90	4.1	74
146	Paper-Based Analytical Biosensor Chip Designed from Graphene-Nanoplatelet-Amphiphilic-diblock-co-Polymer Composite for Cortisol Detection in Human Saliva. <i>Analytical Chemistry</i> , 2017 , 89, 2107-2115	7.8	71

145	Surface passivation of carbon nanoparticles with branched macromolecules influences near infrared bioimaging. <i>Theranostics</i> , 2013 , 3, 677-86	12.1	71
144	Detecting vascular biosignatures with a colloidal, radio-opaque polymeric nanoparticle. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15522-7	16.4	69
143	Fumagillin prodrug nanotherapy suppresses macrophage inflammatory response via endothelial nitric oxide. <i>ACS Nano</i> , 2014 , 8, 7305-17	16.7	61
142	3D-Printed Multidrug-Eluting Stent from Graphene-Nanoplatelet-Doped Biodegradable Polymer Composite. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700008	10.1	59
141	Orthogonal self-assembly of an organoplatinum(II) metallacycle and cucurbit[8]uril that delivers curcumin to cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8087-8092	11.5	56
140	Macromolecularly "Caged" Carbon Nanoparticles for Intracellular Trafficking via Switchable Photoluminescence. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1746-1749	16.4	52
139	Electrically-receptive and thermally-responsive paper-based sensor chip for rapid detection of bacterial cells. <i>Biosensors and Bioelectronics</i> , 2018 , 110, 132-140	11.8	52
138	Statistical reconstruction of material decomposed data in spectral CT. <i>IEEE Transactions on Medical Imaging</i> , 2013 , 32, 1249-57	11.7	52
137	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. <i>ACS Nano</i> , 2015 , 9, 10695-10718	16.7	50
136	Detection of prostate specific antigen (PSA) in human saliva using an ultra-sensitive nanocomposite of graphene nanoplatelets with diblock-co-polymers and Au electrodes. <i>Analyst, The</i> , 2018 , 143, 1094-1103	15.3	49
135	Suppression of inflammation in a mouse model of rheumatoid arthritis using targeted lipase-labile fumagillin prodrug nanoparticles. <i>Biomaterials</i> , 2012 , 33, 8632-40	15.6	49
134	Small Molecule MYC Inhibitor Conjugated to Integrin-Targeted Nanoparticles Extends Survival in a Mouse Model of Disseminated Multiple Myeloma. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 1286-1294	6.1	48
133	Application of a hemolysis assay for analysis of complement activation by perfluorocarbon nanoparticles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 651-60	6	47
132	alphaVbeta3-targeted copper nanoparticles incorporating an Sn 2 lipase-labile fumagillin prodrug for photoacoustic neovascular imaging and treatment. <i>Theranostics</i> , 2015 , 5, 124-33	12.1	46
131	Sensitive and efficient detection of thrombus with fibrin-specific manganese nanocolloids. <i>Chemical Communications</i> , 2009 , 3234-6	5.8	45
130	Surface chemistry of carbon nanoparticles functionally select their uptake in various stages of cancer cells. <i>Nano Research</i> , 2017 , 10, 3269-3284	10	44
129	Machine Learning-Assisted Array-Based Biomolecular Sensing Using Surface-Functionalized Carbon Dots. <i>ACS Sensors</i> , 2019 , 4, 2730-2737	9.2	44
128	Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy. <i>Small</i> , 2015 , 11, 4691-703	11	44

127	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. <i>Contrast Media and Molecular Imaging</i> , 2011 , 6, 378-88	3.2	43
126	Nano-enabled sensing approaches for pathogenic bacterial detection. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112276	11.8	43
125	Bone-Induced Expression of Integrin β Enables Targeted Nanotherapy of Breast Cancer Metastases. <i>Cancer Research</i> , 2017 , 77, 6299-6312	10.1	42
124	Regulating Biocompatibility of Carbon Spheres via Defined Nanoscale Chemistry and a Careful Selection of Surface Functionalities. <i>Scientific Reports</i> , 2015 , 5, 14986	4.9	39
123	Anti-angiogenesis therapy in the Vx2 rabbit cancer model with a lipase-cleavable Sn 2 taxane phospholipid prodrug using α -targeted theranostic nanoparticles. <i>Theranostics</i> , 2014 , 4, 565-78	12.1	39
122	A brief account of nanoparticle contrast agents for photoacoustic imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013 , 5, 517-43	9.2	39
121	Hyperspectral Imaging Offers Visual and Quantitative Evidence of Drug Release from Zwitterionic-Phospholipid-Nanocarbon When Concurrently Tracked in 3D Intracellular Space. <i>Advanced Functional Materials</i> , 2016 , 26, 8031-8041	15.6	37
120	Biodegradable Biliverdin Nanoparticles for Efficient Photoacoustic Imaging. <i>ACS Nano</i> , 2019 , 13, 7690-7704	10.7	35
119	Synthesis of NanoQ, a copper-based contrast agent for high-resolution magnetic resonance imaging characterization of human thrombus. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9168-71	16.4	35
118	Functional carbon nanodots for multiscale imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017 , 9, e1436	9.2	33
117	RNA-extraction-free nano-amplified colorimetric test for point-of-care clinical diagnosis of COVID-19. <i>Nature Protocols</i> , 2021 , 16, 3141-3162	18.8	33
116	A facile synthesis of novel self-assembled gold nanorods designed for near-infrared imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8118-23	1.3	32
115	Influence of Electron Acceptor and Electron Donor on the Photophysical Properties of Carbon Dots: A Comparative Investigation at the Bulk-State and Single-Particle Level. <i>Advanced Functional Materials</i> , 2019 , 29, 1902466	15.6	30
114	Intratumoral generation of photothermal gold nanoparticles through a vectorized biomineralization of ionic gold. <i>Nature Communications</i> , 2020 , 11, 4530	17.4	29
113	Electrochemical-digital immunosensor with enhanced sensitivity for detecting human salivary glucocorticoid hormone. <i>Analyst, The</i> , 2019 , 144, 1448-1457	5	27
112	Enzyme-catalysed biodegradation of carbon dots follows sequential oxidation in a time dependent manner. <i>Nanoscale</i> , 2019 , 11, 8226-8236	7.7	27
111	Enriched inhibition of cancer and stem-like cancer cells via STAT-3 modulating micelles. <i>Nanoscale</i> , 2015 , 7, 7127-32	7.7	27
110	Next generation carbon nanoparticles for efficient gene therapy. <i>Molecular Pharmaceutics</i> , 2015 , 12, 375-85	5.6	25

109	Contact-facilitated drug delivery with Sn2 lipase labile prodrugs optimize targeted lipid nanoparticle drug delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016 , 8, 85-106	9.2	25
108	Combinatorial therapy for triple negative breast cancer using hyperstar polymer-based nanoparticles. <i>Chemical Communications</i> , 2015 , 51, 16710-3	5.8	24
107	Real-Time Monitoring of Post-Surgical and Post-Traumatic Eye Injuries Using Multilayered Electrical Biosensor Chip. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8609-8622	9.5	23
106	Dual purpose hafnium oxide nanoparticles offer imaging Streptococcus mutans dental biofilm and fight it In vivo via a drug free approach. <i>Biomaterials</i> , 2018 , 181, 252-267	15.6	23
105	Defined nanoscale chemistry influences delivery of peptido-toxins for cancer therapy. <i>PLoS ONE</i> , 2015 , 10, e0125908	3.7	23
104	Rapid synthesis of near infrared polymeric micelles for real-time sentinel lymph node imaging. <i>Advanced Healthcare Materials</i> , 2012 , 1, 582-9	10.1	23
103	Antiangiogenic nanotherapy with lipase-labile Sn-2 fumagillin prodrug. <i>Nanomedicine</i> , 2012 , 7, 1507-19	5.6	23
102	A strategy for combating melanoma with oncogenic c-Myc inhibitors and targeted nanotherapy. <i>Nanomedicine</i> , 2015 , 10, 241-51	5.6	22
101	Multicolor computed tomographic molecular imaging with noncrystalline high-metal-density nanobeacons. <i>Contrast Media and Molecular Imaging</i> , 2014 , 9, 13-25	3.2	22
100	(-)/(+)-Sparteine induced chirally-active carbon nanoparticles for enantioselective separation of racemic mixtures. <i>Chemical Communications</i> , 2016 , 52, 7513-6	5.8	22
99	Fluorescence Detection of Bone Microcracks Using Monophosphonated Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 19408-19415	9.5	22
98	Second Generation Gold Nanobeacons for Robust K-Edge Imaging with Multi-Energy CT. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23071-23077		21
97	Rationale for a nanomedicine approach to thrombolytic therapy. <i>Stroke</i> , 2010 , 41, S42-4	6.7	21
96	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. <i>Theranostics</i> , 2018 , 8, 5012-5024	12.1	21
95	Multi-Shell Nano-CarboScavengers for Petroleum Spill Remediation. <i>Scientific Reports</i> , 2017 , 7, 41880	4.9	19
94	Carbon dots with induced surface oxidation permits imaging at single-particle level for intracellular studies. <i>Nanoscale</i> , 2018 , 10, 18510-18519	7.7	19
93	In situ plasmonic generation in functional ionic-gold-nanogel scaffold for rapid quantitative bio-sensing. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 77-84	11.8	18
92	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 16137-16149	9.5	17

91	Highly efficient anti-cancer therapy using scorpion 'NanoVenin'. <i>Chemical Communications</i> , 2014 , 50, 13220-3	5.8	17
90	Computed Tomography in Color: NanoK-Enhanced Spectral CT Molecular Imaging. <i>Angewandte Chemie</i> , 2010 , 122, 9829-9833	3.6	17
89	Machine Learning for Precision Breast Cancer Diagnosis and Prediction of the Nanoparticle Cellular Internalization. <i>ACS Sensors</i> , 2020 , 5, 1689-1698	9.2	16
88	In Situ Time-Dependent and Progressive Oxidation of Reduced State Functionalities at the Nanoscale of Carbon Nanoparticles for Polarity-Driven Multiscale Near-Infrared Imaging. <i>Advanced Biology</i> , 2018 , 2, 1800009	3.5	16
87	Sensitive biological detection with a soluble and stable polymeric paramagnetic nanocluster. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10377-80	16.4	16
86	Defined Host-Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer. <i>Small</i> , 2016 , 12, 5845-5861	5.861	15
85	Label-Free Pathogen Detection Based on Yttrium-Doped Carbon Nanoparticles up to Single-Cell Resolution. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42943-42955	9.5	15
84	Enhancement of auxiliary agent for washing efficiency of diesel contaminated soil with surfactants. <i>Chemosphere</i> , 2020 , 252, 126494	8.4	15
83	Targeted Delivery of STAT-3 Modulator to Breast Cancer Stem-Like Cells Downregulates a Series of Stemness Genes. <i>Molecular Cancer Therapeutics</i> , 2018 , 17, 119-129	6.1	15
82	Chirality Inversion on the Carbon Dot Surface via Covalent Surface Conjugation of Cyclic α -Amino Acid Capping Agents. <i>Bioconjugate Chemistry</i> , 2018 , 29, 3913-3922	6.3	15
81	Multiscale Imaging of Nanoparticle Drug Delivery. <i>Current Drug Targets</i> , 2015 , 16, 560-70	3	14
80	Studies on polycyclic fluoroazaarenes: synthesis of trans-9-fluoro- and -11-fluoro 3,4-dihydroxy-3,4-dihydrobenz[c]acridines as potential proximate carcinogenic metabolites of fluorobenz[c]acridine. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 2470-2475		13
79	Carotenoid Nanovector for Efficient Therapeutic Gene Knockdown of Transcription Factor FOXC1 in Liver Cancer. <i>Bioconjugate Chemistry</i> , 2016 , 27, 594-603	6.3	12
78	Dual-therapy with $\alpha\beta$ -targeted Sn2 lipase-labile fumagillin-prodrug nanoparticles and zoledronic acid in the Vx2 rabbit tumor model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016 , 12, 201-11	6.11	12
77	Multi-functionality Redefined with Colloidal Carotene Carbon Nanoparticles for Synchronized Chemical Imaging, Enriched Cellular Uptake and Therapy. <i>Scientific Reports</i> , 2016 , 6, 29299	4.9	12
76	Bulk-state and single-particle imaging are central to understanding carbon dot photo-physics and elucidating the effects of precursor composition and reaction temperature. <i>Carbon</i> , 2019 , 145, 572-572	10.4	11
75	Pumpless microfluidic devices for generating healthy and diseased endothelia. <i>Lab on A Chip</i> , 2019 , 19, 3212-3219	7.2	10
74	Nanoscope poly-DNA-cleaver for breast cancer regression with induced oxidative damage. <i>Molecular Pharmaceutics</i> , 2014 , 11, 4218-27	5.6	10

73	Point-of-service, quantitative analysis of ascorbic acid in aqueous humor for evaluating anterior globe integrity. <i>Scientific Reports</i> , 2015 , 5, 16011	4.9	10
72	Current trends in pyrrole and porphyrin-derived nanoscale materials for biomedical applications. <i>Nanomedicine</i> , 2020 , 15, 2493-2515	5.6	10
71	Lymphatic Vessel on a Chip with Capability for Exposure to Cyclic Fluidic Flow.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 6697-6707	4.1	10
70	Phenotypically Screened Carbon Nanoparticles for Enhanced Combinatorial Therapy in Triple Negative Breast Cancer. <i>Cellular and Molecular Bioengineering</i> , 2017 , 10, 371-386	3.9	9
69	Waveguide Integrated Ge p-i-n Photodetectors on a Silicon-on-Insulator Platform 2006 ,		9
68	A rapid RNA extraction-free lateral flow assay for molecular point-of-care detection of SARS-CoV-2 augmented by chemical probes.. <i>Biosensors and Bioelectronics</i> , 2021 , 200, 113900	11.8	9
67	Pro-haloacetate Nanoparticles for Efficient Cancer Therapy via Pyruvate Dehydrogenase Kinase Modulation. <i>Scientific Reports</i> , 2016 , 6, 28196	4.9	9
66	An anisotropic propagation technique for synthesizing hyperbranched polyvillic gold nanoparticles. <i>Nano Research</i> , 2016 , 9, 2889-2903	10	9
65	On-Chip Electrical Monitoring of Real-Time Soft and Hard Protein Corona Formation on Carbon Nanoparticles. <i>Small Methods</i> , 2020 , 4, 2000099	12.8	9
64	Synergy between surface and core entrapped metals in a mixed manganese-gadolinium nanocolloid affords safer MR imaging of sparse biomarkers. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 601-9	6	8
63	Multi-Color Delineation of Bone Microdamages Using Ligand-Directed Sub-5 nm Hafnia Nanodots and Photon Counting CT Imaging. <i>Advanced Functional Materials</i> , 2020 , 30, 1904936	15.6	8
62	Ultrafast nanometric imaging of energy flow within and between single carbon dots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
61	Synthesis and characterisation of N-gene targeted NIR-II fluorescent probe for selective localisation of SARS-CoV-2. <i>Chemical Communications</i> , 2021 , 57, 6229-6232	5.8	8
60	Nanosalina: A Tale of Saline-Loving Algae from the Lake's Agony to Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11528-11536	9.5	7
59	Pro-Nifuroxazide Self-Assembly Leads to Triggerable Nanomedicine for Anti-cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18074-18089	9.5	7
58	Atherosclerotic neovasculature MR imaging with mixed manganese-gadolinium nanocolloids in hyperlipidemic rabbits. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015 , 11, 569-78	6	7
57	Oligodots: Structurally Defined Fluorescent Nanoprobes for Multiscale Dual-Color Imaging and. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10183-10192	9.5	7
56	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. <i>Angewandte Chemie</i> , 2009 , 121, 4234-4237	5.6	7

55	Synthesis of Chiral Carbo-Nanotweezers for Enantiospecific Recognition and DNA Duplex Winding in Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 37886-37897	9.5	7
54	Rapid and low-cost sampling for detection of airborne SARS-CoV-2 in dehumidifier condensate. <i>Biotechnology and Bioengineering</i> , 2021 , 118, 3029-3036	4.9	6
53	Hyperspectral Mapping for the Detection of SARS-CoV-2 Using Nanomolecular Probes with Yoctomole Sensitivity. <i>ACS Nano</i> , 2021 ,	16.7	6
52	Biodegradable MRI Visible Drug Eluting Stent Reinforced by Metal Organic Frameworks. <i>Advanced Healthcare Materials</i> , 2020 , 9, e2000136	10.1	5
51	Vibrational spectroscopy and imaging for concurrent cellular trafficking of co-localized doxorubicin and deuterated phospholipid vesicles. <i>Nanoscale</i> , 2016 , 8, 2826-31	7.7	5
50	Indium Mediated Allylation of 1-Chloro-/1-Alkoxy Vinylaldehyde: A Facile One Pot Synthesis of 1-Chloro-/1-Alkoxy Hexa-1,5-diene-3-ol Derivatives. <i>Synthetic Communications</i> , 2003 , 33, 1-9	1.7	5
49	VLA4-Targeted Nanoparticles Hijack Cell Adhesion-Mediated Drug Resistance to Target Refractory Myeloma Cells and Prolong Survival. <i>Clinical Cancer Research</i> , 2021 , 27, 1974-1986	12.9	5
48	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. <i>Precision Nanomedicine</i> , 2018 , 1, 128-145	1.2	5
47	Computed tomography-guided additive manufacturing of Personalized Absorbable Gastrointestinal Stents for intestinal fistulae and perforations. <i>Biomaterials</i> , 2020 , 228, 119542	15.6	5
46	Emerging theranostic applications of carbon dots and its variants. <i>View</i> , 20200089	7.8	5
45	Nano-Cesium for Anti-Cancer Properties: An Investigation into Cesium Induced Metabolic Interference. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26600-26612	9.5	5
44	Biodegradable nano carbon-based smart filters for efficient remediation of pharmaceutical contaminants. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 22951-22957	13	5
43	Probing the mutation independent interaction of DNA probes with SARS-CoV-2 variants through a combination of surface-enhanced Raman scattering and machine learning.. <i>Biosensors and Bioelectronics</i> , 2022 , 208, 114200	11.8	5
42	Rational Design of Surface-State Controlled Multicolor Cross-Linked Carbon Dots with Distinct Photoluminescence and Cellular Uptake Properties. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	5
41	A dual strategy for sensing metals with a nano 'pincer' scavenger for in vitro diagnostics and detection of liver diseases from blood samples. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 444-51	6	4
40	Copper-Catalyzed Syntheses of Pyrene-Pyrazole Pharmacophores and Structure Activity Studies for Tubulin Polymerization. <i>ACS Omega</i> , 2018 , 3, 6378-6387	3.9	4
39	Waveguide-Integrated Ge p-i-n Photodetectors on SOI Platform 2006 ,		4
38	Function-adaptive clustered nanoparticles reverse Streptococcus mutans dental biofilm and maintain microbiota balance. <i>Communications Biology</i> , 2021 , 4, 846	6.7	4

37	Monitoring the Viral Transmission of SARS-CoV-2 in Still Waterbodies Using a Lanthanide-Doped Carbon Nanoparticle-Based Sensor Array.. <i>ACS Sustainable Chemistry and Engineering</i> , 2022 , 10, 245-258	8.3	4
36	β-Amino Acid Rich Photophytotoxic Nanoparticles of Algal Origin Serendipitously Reveal Antimigratory Property against Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21147-21154	9.5	3
35	Genomic DNA Interactions Mechanize Peptidotoxin-Mediated Anticancer Nanotherapy. <i>Molecular Pharmaceutics</i> , 2017 , 14, 2254-2261	5.6	3
34	Nano-Assembly of Pamitoyl-Bioconjugated Coenzyme-A for Combinatorial Chemo-Biologics in Transcriptional Therapy. <i>Bioconjugate Chemistry</i> , 2018 , 29, 1419-1427	6.3	3
33	Revisiting Polyarenes and Related Molecules: An Update of Synthetic Approaches and Structure-Activity-Mechanistic Correlation for Carcinogenesis. <i>Chemical Record</i> , 2018 , 18, 619-658	6.6	3
32	Facile Chemical Strategy to Hydrophobically Modify Solid Nanoparticles Using Inverted Micelle-Based Multicapsule for Efficient Intracellular Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 1357-1367	5.5	3
31	Bi-modal cancer treatment utilizing therapeutic ultrasound and an engineered therapeutic nanobubble. <i>RSC Advances</i> , 2015 , 5, 63839-63845	3.7	3
30	Unlocking the power of optical imaging in the second biological window: Structuring near-infrared II materials from organic molecules to nanoparticles. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , 13, e1734	9.2	3
29	Luminescence switching in polymerically confined carbon nanoparticles triggered by UV-light. <i>Nanoscale</i> , 2021 , 13, 16288-16295	7.7	3
28	Near-infrared emitting dual-stimuli-responsive carbon dots from endogenous bile pigments. <i>Nanoscale</i> , 2021 , 13, 13487-13496	7.7	3
27	UV-trained and metal-enhanced fluorescence of biliverdin and biliverdin nanoparticles. <i>Nanoscale</i> , 2021 , 13, 4785-4798	7.7	3
26	Molecular Imaging with Spectral CT Nanoprobes 2017 , 385-402		2
25	PARP Inhibition Synergizes with Melphalan but Does not Reverse Resistance Completely. <i>Biology of Blood and Marrow Transplantation</i> , 2020 , 26, 1273-1279	4.7	2
24	Ultra-sensitive paper-based biosensor for cortisol sensing in human saliva with electrical impedance analyzer 2017 ,		2
23	Photoacoustic Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2015 , 34, 2645-2645	11.7	2
22	High Speed Ge Photodetectors on Si Platform for GHz Optical Communications in C+L Bands. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 829, 24		2
21	Regioselective Alkylation Of Polycyclic Thiophene Derivatives By Butyllithium And Alkyl Halide. <i>Synthetic Communications</i> , 2000 , 30, 3569-3573	1.7	2
20	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 46464-46477	9.5	2

19	Single-gene diagnostic assay for rapid subclassification of basal like breast cancer with mRNA targeted antisense oligonucleotide capped molecular probe.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114178	11.8	2
18	Multimodal Imaging and Theranostic Application of Disease-Directed Agents. <i>Topics in Medicinal Chemistry</i> , 2015 , 75-103	0.4	1
17	Label-free detection of lactoferrin and beta-2-microglobulin in contrived tear film using a low-cost electrical biosensor chip 2017 ,		1
16	Photoacoustic molecular imaging of angiogenesis using theranostic B-targeted copper nanoparticles incorporating a sn-2 lipase-labile fumagillin prodrug 2014 ,		1
15	Highly site-selective alkylation reaction of bent aza-heterocycles by alkylolithium and alkyl halides. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000 , 2171-2173		1
14	Rapid and Low-cost Sampling for Detection of Airborne SARS-CoV-2 in Dehumidifier Condensate		1
13	Design, Synthesis, and Characterization of Globular Orphan Nuclear Receptor Regulator with Biological Activity in Soft Tissue Sarcoma. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 10739-10752	8.3	1
12	Hitchhiking probiotic vectors to deliver ultra-small hafnia nanoparticles for 'Color' gastrointestinal tract photon counting X-ray imaging.. <i>Nanoscale Horizons</i> , 2022 ,	10.8	1
11	Hafnia Nanodots: Multi-Color Delineation of Bone Microdamages Using Ligand-Directed Sub-5 nm Hafnia Nanodots and Photon Counting CT Imaging (Adv. Funct. Mater. 4/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070025	15.6	0
10	Small Molecule NIR-II Dyes for Switchable Photoluminescence via Host Guest Complexation and Supramolecular Assembly with Carbon Dots. <i>Advanced Science</i> , 2202414	13.6	0
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