

Dipanjan Pan

List of Publications by Year in descending order

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167
papers

6,855
citations

50276

46
h-index

71685

76
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177
all docs

177
docs citations

177
times ranked

8816
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	14.6	609
2	Rapid, Ultrasensitive, and Quantitative Detection of SARS-CoV-2 Using Antisense Oligonucleotides Directed Electrochemical Biosensor Chip. <i>ACS Nano</i> , 2020, 14, 17028-17045.	14.6	384
3	Manganese-based MRI contrast agents: past, present, and future. <i>Tetrahedron</i> , 2011, 67, 8431-8444.	1.9	335
4	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, 9186-9187.	13.7	170
5	Folic acid-conjugated nanostructured materials designed for cancer cell targeting Electronic supplementary information (ESI) available: experimental details; selected plots and spectra. See http://www.rsc.org/suppdata/cc/b3/b307878g/ . <i>Chemical Communications</i> , 2003, , 2400.	4.1	167
6	A green synthesis of carbon nanoparticles from honey and their use in real-time photoacoustic imaging. <i>Nano Research</i> , 2013, 6, 312-325.	10.4	161
7	Molecular photoacoustic imaging of angiogenesis with integrin-targeted gold nanobeacons. <i>FASEB Journal</i> , 2011, 25, 875-882.	0.5	160
8	Revisiting an old friend: manganese-based MRI contrast agents. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2011, 3, 162-173.	6.1	155
9	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. <i>Biomaterials</i> , 2010, 31, 4088-4093.	11.4	154
10	Unraveling the Fluorescence Mechanism of Carbon Dots with <i>in situ</i> -Single-Particle Resolution. <i>ACS Nano</i> , 2020, 14, 6127-6137.	14.6	152
11	Computed Tomography in Color: Nano-Enhanced Spectral CT Molecular Imaging. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9635-9639.	13.8	145
12	An Early Investigation of Ytterbium Nanocolloids for Selective and Quantitative <i>in vivo</i> Multicolor Spectral CT Imaging. <i>ACS Nano</i> , 2012, 6, 3364-3370.	14.6	121
13	Nanomedicine: Perspective and promises with ligand-directed molecular imaging. <i>European Journal of Radiology</i> , 2009, 70, 274-285.	2.6	98
14	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4170-4173.	13.8	92
15	Photoacoustic Sentinel Lymph Node Imaging with Self-Assembled Copper Neodecanoate Nanoparticles. <i>ACS Nano</i> , 2012, 6, 1260-1267.	14.6	92
16	3D-Printed Multidrug-Eluting Stent from Graphene-Nanoplatelet-Doped Biodegradable Polymer Composite. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700008.	7.6	89
17	Nanomedicine strategies for molecular targets with MRI and optical imaging. <i>Future Medicinal Chemistry</i> , 2010, 2, 471-490.	2.3	88
18	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.	6.5	88

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19	Orthogonal self-assembly of an organoplatinum(II) metallacycle and cucurbit[8]uril that delivers curcumin to cancer cells. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8087-8092.	7.1	88
20	RNA-extraction-free nano-amplified colorimetric test for point-of-care clinical diagnosis of COVID-19. Nature Protocols, 2021, 16, 3141-3162.	12.0	85
21	Surface Passivation of Carbon Nanoparticles with Branched Macromolecules Influences Near Infrared Bioimaging. Theranostics, 2013, 3, 677-686.	10.0	83
22	Detecting Vascular Biosignatures with a Colloidal, Radio-Opaque Polymeric Nanoparticle. Journal of the American Chemical Society, 2009, 131, 15522-15527.	13.7	81
23	Machine Learning-Assisted Array-Based Biomolecular Sensing Using Surface-Functionalized Carbon Dots. ACS Sensors, 2019, 4, 2730-2737.	7.8	81
24	Fumagillin Prodrug Nanotherapy Suppresses Macrophage Inflammatory Response via Endothelial Nitric Oxide. ACS Nano, 2014, 8, 7305-7317.	14.6	76
25	Nano-enabled sensing approaches for pathogenic bacterial detection. Biosensors and Bioelectronics, 2020, 165, 112276.	10.1	74
26	Statistical Reconstruction of Material Decomposed Data in Spectral CT. IEEE Transactions on Medical Imaging, 2013, 32, 1249-1257.	8.9	68
27	Electrically-receptive and thermally-responsive paper-based sensor chip for rapid detection of bacterial cells. Biosensors and Bioelectronics, 2018, 110, 132-140.	10.1	66
28	Macromolecularly Caged Carbon Nanoparticles for Intracellular Trafficking via Switchable Photoluminescence. Journal of the American Chemical Society, 2017, 139, 1746-1749.	13.7	63
29	Bone-Induced Expression of Integrin $\alpha 3$ Enables Targeted Nanotherapy of Breast Cancer Metastases. Cancer Research, 2017, 77, 6299-6312.	0.9	63
30	Detection of prostate specific antigen (PSA) in human saliva using an ultra-sensitive nanocomposite of graphene nanoplatelets with diblock-polymers and Au electrodes. Analyst, The, 2018, 143, 1094-1103.	3.5	60
31	Intratumoral generation of photothermal gold nanoparticles through a vectorized biomineralization of ionic gold. Nature Communications, 2020, 11, 4530.	12.8	59
32	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. Advanced Functional Materials, 2019, 29, 1902466.	14.9	57
33	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. ACS Nano, 2015, 9, 10695-10718.	14.6	56
34	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 378-388.	0.8	55
35	Application of a hemolysis assay for analysis of complement activation by perfluorocarbon nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 651-660.	3.3	55
36	Surface chemistry of carbon nanoparticles functionally select their uptake in various stages of cancer cells. Nano Research, 2017, 10, 3269-3284.	10.4	55

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37	A brief account of nanoparticle contrast agents for photoacoustic imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2013, 5, 517-543.	6.1	53
38	Suppression of inflammation in a mouse model of rheumatoid arthritis using targeted lipase-labile fumagillin prodrug nanoparticles. <i>Biomaterials</i> , 2012, 33, 8632-8640.	11.4	52
39	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.	4.1	52
40	Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy. <i>Small</i> , 2015, 11, 4691-4703.	10.0	51
41	Biodegradable Biliverdin Nanoparticles for Efficient Photoacoustic Imaging. <i>ACS Nano</i> , 2019, 13, 7690-7704.	14.6	51
42	$\text{I}^{\pm 1/2}$ -targeted Copper Nanoparticles Incorporating an Sn 2 Lipase-Labile Fumagillin Prodrug for Photoacoustic Neovascular Imaging and Treatment. <i>Theranostics</i> , 2015, 5, 124-133.	10.0	49
43	Sensitive and efficient detection of thrombus with fibrin-specific manganese nanocolloids. <i>Chemical Communications</i> , 2009, , 3234.	4.1	48
44	Functional carbon nanodots for multiscale imaging and therapy. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2017, 9, e1436.	6.1	48
45	Electrochemical-digital immunosensor with enhanced sensitivity for detecting human salivary glucocorticoid hormone. <i>Analyst</i> , The, 2019, 144, 1448-1457.	3.5	47
46	A Facile Synthesis of Novel Self-Assembled Gold Nanorods Designed for Near-Infrared Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 8118-8123.	0.9	46
47	Regulating Biocompatibility of Carbon Spheres via Defined Nanoscale Chemistry and a Careful Selection of Surface Functionalities. <i>Scientific Reports</i> , 2015, 5, 14986.	3.3	46
48	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.	14.9	46
49	Machine Learning for Precision Breast Cancer Diagnosis and Prediction of the Nanoparticle Cellular Internalization. <i>ACS Sensors</i> , 2020, 5, 1689-1698.	7.8	46
50	Anti-Angiogenesis Therapy in the Vx2 Rabbit Cancer Model with a Lipase-cleavable Sn 2 Taxane Phospholipid Prodrug using $\text{I}^{\pm 1/2}$ -Targeted Theranostic Nanoparticles. <i>Theranostics</i> , 2014, 4, 565-578.	10.0	45
51	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, 9168-9171.	13.7	43
52	Theranostic Nanomedicine with Functional Nanoarchitecture. <i>Molecular Pharmaceutics</i> , 2013, 10, 781-782.	4.6	42
53	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> , 2022, 200, 113900.	10.1	40
54	Enzyme-catalysed biodegradation of carbon dots follows sequential oxidation in a time dependent manner. <i>Nanoscale</i> , 2019, 11, 8226-8236.	5.6	38

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55	Fluorescence Detection of Bone Microcracks Using Monophosphonated Carbon Dots. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19408-19415.	8.0	37
56	($\hat{\alpha}$)/(+)-Sparteine induced chirally-active carbon nanoparticles for enantioselective separation of racemic mixtures. <i>Chemical Communications</i> , 2016, 52, 7513-7516.	4.1	36
57	Dual purpose hafnium oxide nanoparticles offer imaging <i>Streptococcus mutans</i> dental biofilm and fight it In vivo via a drug free approach. <i>Biomaterials</i> , 2018, 181, 252-267.	11.4	35
58	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16137-16149.	8.0	34
59	Enriched inhibition of cancer and stem-like cancer cells via STAT-3 modulating micelles. <i>Nanoscale</i> , 2015, 7, 7127-7132.	5.6	32
60	Next Generation Carbon Nanoparticles for Efficient Gene Therapy. <i>Molecular Pharmaceutics</i> , 2015, 12, 375-385.	4.6	31
61	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.	10.1	31
62	Chirality Inversion on the Carbon Dot Surface via Covalent Surface Conjugation of Cyclic $\hat{\alpha}$ -Amino Acid Capping Agents. <i>Bioconjugate Chemistry</i> , 2018, 29, 3913-3922.	3.6	30
63	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.	8.0	30
64	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. <i>Theranostics</i> , 2018, 8, 5012-5024.	10.0	29
65	Defined Nanoscale Chemistry Influences Delivery of Peptido-Toxins for Cancer Therapy. <i>PLoS ONE</i> , 2015, 10, e0125908.	2.5	28
66	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.	8.0	28
67	Rapid Synthesis of Near Infrared Polymeric Micelles for Real-Time Sentinel Lymph Node Imaging. <i>Advanced Healthcare Materials</i> , 2012, 1, 582-589.	7.6	27
68	Rationale for a Nanomedicine Approach to Thrombolytic Therapy. <i>Stroke</i> , 2010, 41, S42-4.	2.0	26
69	Antiangiogenic nanotherapy with lipase-labile Sn-2 fumagillin prodrug. <i>Nanomedicine</i> , 2012, 7, 1507-1519.	3.3	26
70	Contact-facilitated drug delivery with Sn-2 lipase labile prodrugs optimize targeted lipid nanoparticle drug delivery. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2016, 8, 85-106.	6.1	26
71	Carbon dots with induced surface oxidation permits imaging at single-particle level for intracellular studies. <i>Nanoscale</i> , 2018, 10, 18510-18519.	5.6	26
72	Second generation gold nanobeacons for robust K-edge imaging with multi-energy CT. <i>Journal of Materials Chemistry</i> , 2012, 22, 23071.	6.7	25

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73	Multicolor computed tomographic molecular imaging with noncrystalline high-metal density nanobeacons. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 13-25.	0.8	25
74	A strategy for combating melanoma with oncogenic c-Myc inhibitors and targeted nanotherapy. <i>Nanomedicine</i> , 2015, 10, 241-251.	3.3	25
75	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.	4.1	25
76	Combinatorial therapy for triple negative breast cancer using hyperstar polymer-based nanoparticles. <i>Chemical Communications</i> , 2015, 51, 16710-16713.	4.1	24
77	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.	4.1	22
78	In situ plasmonic generation in functional ionic-gold-nanogel scaffold for rapid quantitative bio-sensing. <i>Biosensors and Bioelectronics</i> , 2018, 120, 77-84.	10.1	22
79	Pumpless microfluidic devices for generating healthy and diseased endothelia. <i>Lab on A Chip</i> , 2019, 19, 3212-3219.	6.0	22
80	Defined Host-Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer. <i>Small</i> , 2016, 12, 5845-5861.	10.0	21
81	Multi-Shell Nano-CarboScavengers for Petroleum Spill Remediation. <i>Scientific Reports</i> , 2017, 7, 41880.	3.3	21
82	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.	14.9	21
83	Biodegradable MRI Visible Drug Eluting Stent Reinforced by Metal Organic Frameworks. <i>Advanced Healthcare Materials</i> , 2020, 9, e2000136.	7.6	21
84	Hyperspectral Mapping for the Detection of SARS-CoV-2 Using Nanomolecular Probes with Yoctomole Sensitivity. <i>ACS Nano</i> , 2021, 15, 13742-13758.	14.6	21
85	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.	3.0	20
86	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, 572-585.	10.3	20
87	Current trends in pyrrole and porphyrin-derived nanoscale materials for biomedical applications. <i>Nanomedicine</i> , 2020, 15, 2493-2515.	3.3	19
88	Enhancement of auxiliary agent for washing efficiency of diesel contaminated soil with surfactants. <i>Chemosphere</i> , 2020, 252, 126494.	8.2	19
89	Sensitive Biological Detection with a Soluble and Stable Polymeric Paramagnetic Nanocluster. <i>Journal of the American Chemical Society</i> , 2012, 134, 10377-10380.	13.7	18
90	Multi-functionality Redefined with Colloidal Carotene Carbon Nanoparticles for Synchronized Chemical Imaging, Enriched Cellular Uptake and Therapy. <i>Scientific Reports</i> , 2016, 6, 29299.	3.3	18

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91	Highly efficient anti-cancer therapy using scorpion α -NanoVenin TM . <i>Chemical Communications</i> , 2014, 50, 13220-13223.	4.1	17
92	Lymphatic Vessel on a Chip with Capability for Exposure to Cyclic Fluidic Flow. <i>ACS Applied Bio Materials</i> , 2020, 3, 6697-6707.	4.6	17
93	On-Chip Electrical Monitoring of Real-Time α -Soft and α -Hard Protein Corona Formation on Carbon Nanoparticles. <i>Small Methods</i> , 2020, 4, 2000099.	8.6	17
94	Emerging theranostic applications of carbon dots and its variants. <i>View</i> , 2022, 3, 20200089.	5.3	17
95	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.	7.0	17
96	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.	6.7	17
97	Pro-Nifuroxazide Self-Assembly Leads to Triggerable Nanomedicine for Anti-cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18074-18089.	8.0	16
98	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, .	7.1	16
99	Rapid and low-cost sampling for detection of airborne SARS-CoV-2 in dehumidifier condensate. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3029-3036.	3.3	16
100	Hitchhiking probiotic vectors to deliver ultra-small hafnia nanoparticles for α -Color TM gastrointestinal tract photon counting X-ray imaging. <i>Nanoscale Horizons</i> , 2022, 7, 533-542.	8.0	16
101	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.	1.3	15
102	Multiscale Imaging of Nanoparticle Drug Delivery. <i>Current Drug Targets</i> , 2015, 16, 560-570.	2.1	15
103	Point-of-service, quantitative analysis of ascorbic acid in aqueous humor for evaluating anterior globe integrity. <i>Scientific Reports</i> , 2015, 5, 16011.	3.3	14
104	Carotenoid Nanovector for Efficient Therapeutic Gene Knockdown of Transcription Factor FOXC1 in Liver Cancer. <i>Bioconjugate Chemistry</i> , 2016, 27, 594-603.	3.6	14
105	Phenotypically Screened Carbon Nanoparticles for Enhanced Combinatorial Therapy in Triple Negative Breast Cancer. <i>Cellular and Molecular Bioengineering</i> , 2017, 10, 371-386.	2.1	14
106	Near-infrared emitting dual-stimuli-responsive carbon dots from endogenous bile pigments. <i>Nanoscale</i> , 2021, 13, 13487-13496.	5.6	14
107	Dual-therapy with α - ¹²⁵ I-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, 201-211.	3.3	13
108	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.	8.0	13

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109	Function-adaptive clustered nanoparticles reverse Streptococcus mutans dental biofilm and maintain microbiota balance. <i>Communications Biology</i> , 2021, 4, 846.	4.4	13
110	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, 13, 59747-59760.	8.0	13
111	Computed tomography-guided additive manufacturing of Personalized Absorbable Gastrointestinal Stents for intestinal fistulae and perforations. <i>Biomaterials</i> , 2020, 228, 119542.	11.4	12
112	Waveguide Integrated Ge p-i-n Photodetectors on a Silicon-on-Insulator Platform. , 2006, , .		11
113	Nanoscope Poly-DNA-Cleaver for Breast Cancer Regression with Induced Oxidative Damage. <i>Molecular Pharmaceutics</i> , 2014, 11, 4218-4227.	4.6	11
114	Pro-haloacetate Nanoparticles for Efficient Cancer Therapy via Pyruvate Dehydrogenase Kinase Modulation. <i>Scientific Reports</i> , 2016, 6, 28196.	3.3	11
115	UV-trained and metal-enhanced fluorescence of biliverdin and biliverdin nanoparticles. <i>Nanoscale</i> , 2021, 13, 4785-4798.	5.6	11
116	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. <i>Precision Nanomedicine</i> , 2018, 1, 128-145.	0.8	11
117	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, 601-609.	3.3	10
118	Small Molecule NIR-Infrared Dyes for Switchable Photoluminescence via Host-Guest Complexation and Supramolecular Assembly with Carbon Dots. <i>Advanced Science</i> , 2022, 9, .	11.2	10
119	Atherosclerotic neovasculature MR imaging with mixed manganese-gadolinium nanocolloids in hyperlipidemic rabbits. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2015, 11, 569-578.	3.3	9
120	An anisotropic propagation technique for synthesizing hyperbranched polyvinyl gold nanoparticles. <i>Nano Research</i> , 2016, 9, 2889-2903.	10.4	9
121	Oligodots: Structurally Defined Fluorescent Nanoprobes for Multiscale Dual-Color Imaging <i>in Vitro</i> and <i>in Vivo</i> . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10183-10192.	8.0	9
122	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.	6.1	9
123	N-gene-complementary antisense-oligonucleotide directed molecular aggregation of dual-colour carbon dots, leading to efficient fluorometric sensing of SARS-COV-2 RNA. <i>Nanoscale</i> , 2022, 14, 5112-5120.	5.6	9
124	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.	8.0	8
125	PARP Inhibition Synergizes with Melphalan but Does not Reverse Resistance Completely. <i>Biology of Blood and Marrow Transplantation</i> , 2020, 26, 1273-1279.	2.0	8
126	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.	10.1	8

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127	Indium Mediated Allylation of β -Chloro- β -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.	2.1	7
128	Waveguide-Integrated Ge p-i-n Photodetectors on SOI Platform. , 2006, , .		7
129	Biodegradable nano carbon-based smart filters for efficient remediation of pharmaceutical contaminants. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22951-22957.	10.3	7
130	Large Electro-Optic Effect in Tensile Strained Ge-on-Si Films. , 2006, , .		6
131	Nano-Cesium for Anti-Cancer Properties: An Investigation into Cesium Induced Metabolic Interference. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26600-26612.	8.0	6
132	Nano-Assembly of Pamitoyl-Bioconjugated Coenzyme-A for Combinatorial Chemo-Biologics in Transcriptional Therapy. <i>Bioconjugate Chemistry</i> , 2018, 29, 1419-1427.	3.6	6
133	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.	5.2	6
134	Copper-Catalyzed Syntheses of Pyrene-Pyrazole Pharmacophores and Structure Activity Studies for Tubulin Polymerization. <i>ACS Omega</i> , 2018, 3, 6378-6387.	3.5	6
135	Next Generation Gene Delivery Approaches: Recent Progress and Hurdles. <i>Molecular Pharmaceutics</i> , 2015, 12, 299-300.	4.6	5
136	Vibrational spectroscopy and imaging for concurrent cellular trafficking of co-localized doxorubicin and deuterated phospholipid vesicles. <i>Nanoscale</i> , 2016, 8, 2826-2831.	5.6	5
137	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46464-46477.	8.0	5
138	Luminescence switching in polymerically confined carbon nanoparticles triggered by UV-light. <i>Nanoscale</i> , 2021, 13, 16288-16295.	5.6	5
139	Regioselective Alkylation Of Polycyclic Thiophene Derivatives By Butyllithium And Alkyl Halide. <i>Synthetic Communications</i> , 2000, 30, 3569-3573.	2.1	4
140	Bi-modal cancer treatment utilizing therapeutic ultrasound and an engineered therapeutic nanobubble. <i>RSC Advances</i> , 2015, 5, 63839-63845.	3.6	4
141	Photoacoustic Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 2645-2645.	8.9	4
142	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, 444-451.	5.0	4
143	β -Amino Acid Rich Photophytocin Nanoparticles of Algal Origin Serendipitously Reveal Antimigratory Property against Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21147-21154.	8.0	4
144	Label-free detection of lactoferrin and beta-2-microglobulin in contrived tear film using a low-cost electrical biosensor chip. , 2017, , .		4

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145	Highly site-selective alkylation reaction of bent aza-heterocycles by alkylolithium and alkyl halides. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2171-2173.	1.3	3
146	Genomic DNA Interactions Mechanize Peptidotoxin-Mediated Anticancer Nanotherapy. Molecular Pharmaceutics, 2017, 14, 2254-2261.	4.6	3
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