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 g-index
177 all docs	177 docs citations	177 times ranked	8816 citing authors

#	Article	IF	Citations
1	Emerging theranostic applications of carbon dots and its variants. View, 2022, 3, 20200089.	5.3	17
2	A rapid RNA extraction-free lateral flow assay for molecular point-of-care detection of SARS-CoV-2 augmented by chemical probes. Biosensors and Bioelectronics, 2022, 200, 113900.	10.1	40
3	Hitchhiking probiotic vectors to deliver ultra-small hafnia nanoparticles for â€˜Colorâ€™ gastrointestinal tract photon counting X-ray imaging. Nanoscale Horizons, 2022, 7, 533-542.	8.0	16
4	N-gene-complementary antisense-oligonucleotide directed molecular aggregation of dual-colour carbon dots, leading to efficient fluorometric sensing of SARS-COV-2 RNA. Nanoscale, 2022, 14, 5112-5120.	5.6	9
5	Single-gene diagnostic assay for rapid subclassification of basal like breast cancer with mRNA targeted antisense oligonucleotide capped molecular probe. Biosensors and Bioelectronics, 2022, 207, 114178.	10.1	8
6	Probing the mutation independent interaction of DNA probes with SARS-CoV-2 variants through a combination of surface-enhanced Raman scattering and machine learning. Biosensors and Bioelectronics, 2022, 208, 114200.	10.1	31
7	Monitoring the Viral Transmission of SARS-CoV-2 in Still Waterbodies Using a Lanthanide-Doped Carbon Nanoparticle-Based Sensor Array. ACS Sustainable Chemistry and Engineering, 2022, 10, 245-258.	6.7	17
8	Small Molecule NIRâ€II Dyes for Switchable Photoluminescence via Host â€“Guest Complexation and Supramolecular Assembly with Carbon Dots. Advanced Science, 2022, 9, .	11.2	10
9	Synthesis and characterisation of N-gene targeted NIR-II fluorescent probe for selective localisation of SARS-CoV-2. Chemical Communications, 2021, 57, 6229-6232.	4.1	25
10	Ultrafast nanometric imaging of energy flow within and between single carbon dots. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
11	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
12	Rapid and lowâ€cost sampling for detection of airborne SARSâ€CoVâ€2 in dehumidifier condensate. Biotechnology and Bioengineering, 2021, 118, 3029-3036.	3.3	16
13	Unlocking the power of optical imaging in the second biological window: Structuring <scp>nearâ€infrared II</scp> materials from organic molecules to nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1734.	6.1	9
14	Hyperspectral Mapping for the Detection of SARS-CoV-2 Using Nanomolecular Probes with Yoctomole Sensitivity. ACS Nano, 2021, 15, 13742-13758.	14.6	21
15	Function-adaptive clustered nanoparticles reverse Streptococcus mutans dental biofilm and maintain microbiota balance. Communications Biology, 2021, 4, 846.	4.4	13
16	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. ACS Applied Materials & Interfaces, 2021, 13, 46464-46477.	8.0	5
17	Luminescence switching in polymerically confined carbon nanoparticles triggered by UV-light. Nanoscale, 2021, 13, 16288-16295.	5.6	5
18	Near-infrared emitting dual-stimuli-responsive carbon dots from endogenous bile pigments. Nanoscale, 2021, 13, 13487-13496.	5.6	14

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19	UV-trained and metal-enhanced fluorescence of biliverdin and biliverdin nanoparticles. Nanoscale, 2021, 13, 4785-4798.	5.6	11
20	VLA4-Targeted Nanoparticles Hijack Cell Adhesionâ€“Mediated Drug Resistance to Target Refractory Myeloma Cells and Prolong Survival. Clinical Cancer Research, 2021, 27, 1974-1986.	7.0	17
21	Rational Design of Surface-State Controlled Multicolor Cross-Linked Carbon Dots with Distinct Photoluminescence and Cellular Uptake Properties. ACS Applied Materials & Interfaces, 2021, 13, 59747-59760.	8.0	13
22	Multiâ€âˆœColorâ€•Delineation of Bone Microdamages Using Ligandâ€Directed Subâ€5 nm Hafnia Nanodots and Photon Counting CT Imaging. Advanced Functional Materials, 2020, 30, 1904936.	14.9	21
23	Computed tomography-guided additive manufacturing of Personalized Absorbable Gastrointestinal Stents for intestinal fistulae and perforations. Biomaterials, 2020, 228, 119542.	11.4	12
24	Current trends in pyrrole and porphyrin-derived nanoscale materials for biomedical applications. Nanomedicine, 2020, 15, 2493-2515.	3.3	19
25	Rapid, Ultrasensitive, and Quantitative Detection of SARS-CoV-2 Using Antisense Oligonucleotides Directed Electrochemical Biosensor Chip. ACS Nano, 2020, 14, 17028-17045.	14.6	384
26	Lymphatic Vessel on a Chip with Capability for Exposure to Cyclic Fluidic Flow. ACS Applied Bio Materials, 2020, 3, 6697-6707.	4.6	17
27	Intratumoral generation of photothermal gold nanoparticles through a vectorized biomineralization of ionic gold. Nature Communications, 2020, 11, 4530.	12.8	59
28	Machine Learning for Precision Breast Cancer Diagnosis and Prediction of the Nanoparticle Cellular Internalization. ACS Sensors, 2020, 5, 1689-1698.	7.8	46
29	Selective Naked-Eye Detection of SARS-CoV-2 Mediated by N Gene Targeted Antisense Oligonucleotide Capped Plasmonic Nanoparticles. ACS Nano, 2020, 14, 7617-7627.	14.6	609
30	Biodegradable MRI Visible Drug Eluting Stent Reinforced by Metal Organic Frameworks. Advanced Healthcare Materials, 2020, 9, e2000136.	7.6	21
31	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. ACS Applied Materials & Interfaces, 2020, 12, 16137-16149.	8.0	34
32	PARP Inhibition Synergizes with Melphalan but Does not Reverse Resistance Completely. Biology of Blood and Marrow Transplantation, 2020, 26, 1273-1279.	2.0	8
33	Hafnia Nanodots: Multiâ€âˆœColorâ€•Delineation of Bone Microdamages Using Ligandâ€Directed Subâ€5 nm Hafnia Nanodots and Photon Counting CT Imaging (Adv. Funct. Mater. 4/2020). Advanced Functional Materials, 2020, 30, 2070025.	14.9	1
34	Oligodots: Structurally Defined Fluorescent Nanoprobes for Multiscale Dual-Color Imaging in Vitro and in Vivo. ACS Applied Materials & Interfaces, 2020, 12, 10183-10192.	8.0	9
35	Unraveling the Fluorescence Mechanism of Carbon Dots with Sub-Single-Particle Resolution. ACS Nano, 2020, 14, 6127-6137.	14.6	152
36	Onâ€Chip Electrical Monitoring of Realâ€Time â€œSoftâ€•and â€œHardâ€•Protein Corona Formation on Carbon Nanoparticles. Small Methods, 2020, 4, 2000099.	8.6	17

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37	Enhancement of auxiliary agent for washing efficiency of diesel contaminated soil with surfactants.. Chemosphere, 2020, 252, 126494.	8.2	19
38	Nano-enabled sensing approaches for pathogenic bacterial detection. Biosensors and Bioelectronics, 2020, 165, 112276.	10.1	74
39	Pumpless microfluidic devices for generating healthy and diseased endothelia. Lab on A Chip, 2019, 19, 3212-3219.	6.0	22
40	Biodegradable Biliverdin Nanoparticles for Efficient Photoacoustic Imaging. ACS Nano, 2019, 13, 7690-7704.	14.6	51
41	Influence of Electron Acceptor and Electron Donor on the Photophysical Properties of Carbon Dots: A Comparative Investigation at the Bulkâ€State and Singleâ€Particle Level. Advanced Functional Materials, 2019, 29, 1902466.	14.9	57
42	Label-Free Pathogen Detection Based on Yttrium-Doped Carbon Nanoparticles up to Single-Cell Resolution. ACS Applied Materials & Interfaces, 2019, 11, 42943-42955.	8.0	30
43	Machine Learning-Assisted Array-Based Biomolecular Sensing Using Surface-Functionalized Carbon Dots. ACS Sensors, 2019, 4, 2730-2737.	7.8	81
44	Electrochemical-digital immunosensor with enhanced sensitivity for detecting human salivary glucocorticoid hormone. Analyst, The, 2019, 144, 1448-1457.	3.5	47
45	Pro-Nifuroxazide Self-Assembly Leads to Triggerable Nanomedicine for Anti-cancer Therapy. ACS Applied Materials & Interfaces, 2019, 11, 18074-18089.	8.0	16
46	Enzyme-catalysed biodegradation of carbon dots follows sequential oxidation in a time dependent manner. Nanoscale, 2019, 11, 8226-8236.	5.6	38
47	Bulk-state and single-particle imaging are central to understanding carbon dot photo-physics and elucidating the effects of precursor composition and reaction temperature. Carbon, 2019, 145, 572-585.	10.3	20
48	Nano-Assembly of Pamitoyl-Bioconjugated Coenzyme-A for Combinatorial Chemo-Biologics in Transcriptional Therapy. Bioconjugate Chemistry, 2018, 29, 1419-1427.	3.6	6
49	Revisiting Polyarenes and Related Molecules: An Update of Synthetic Approaches and Structureâ€Activityâ€Mechanistic Correlation for Carcinogenesis. Chemical Record, 2018, 18, 619-658.	5.8	3
50	Facile Chemical Strategy to Hydrophobically Modify Solid Nanoparticles Using Inverted Micelle-Based Multicapsule for Efficient Intracellular Delivery. ACS Biomaterials Science and Engineering, 2018, 4, 1357-1367.	5.2	6
51	In Situ Timeâ€Dependent and Progressive Oxidation of Reduced State Functionalities at the Nanoscale of Carbon Nanoparticles for Polarityâ€Driven Multiscale Nearâ€Infrared Imaging. Advanced Biology, 2018, 2, 1800009.	3.0	20
52	Detection of prostate specific antigen (PSA) in human saliva using an ultra-sensitive nanocomposite of graphene nanoplatelets with diblock-co-polymers and Au electrodes. Analyst, The, 2018, 143, 1094-1103.	3.5	60
53	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
54	Targeted Delivery of STAT-3 Modulator to Breast Cancer Stem-Like Cells Downregulates a Series of Stemness Genes. Molecular Cancer Therapeutics, 2018, 17, 119-129.	4.1	22

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55	Biodegradable nano carbon-based smart filters for efficient remediation of pharmaceutical contaminants. Journal of Materials Chemistry A, 2018, 6, 22951-22957.	10.3	7
56	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. Theranostics, 2018, 8, 5012-5024.	10.0	29
57	Synthesis of Chiral Carbo-Nanotweezers for Enantiospecific Recognition and DNA Duplex Winding in Cancer Cells. ACS Applied Materials & Interfaces, 2018, 10, 37886-37897.	8.0	13
58	Chirality Inversion on the Carbon Dot Surface via Covalent Surface Conjugation of Cyclic Î±-Amino Acid Capping Agents. Bioconjugate Chemistry, 2018, 29, 3913-3922.	3.6	30
59	Design, Synthesis, and Characterization of Globular Orphan Nuclear Receptor Regulator with Biological Activity in Soft Tissue Sarcoma. Journal of Medicinal Chemistry, 2018, 61, 10739-10752.	6.4	2
60	Fluorescence Detection of Bone Microcracks Using Monophosphonated Carbon Dots. ACS Applied Materials & Interfaces, 2018, 10, 19408-19415.	8.0	37
61	Dual purpose hafnium oxide nanoparticles offer imaging Streptococcus mutans dental biofilm and fight it In vivo via a drug free approach. Biomaterials, 2018, 181, 252-267.	11.4	35
62	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
63	In situ plasmonic generation in functional ionic-gold-nanogel scaffold for rapid quantitative bio-sensing. Biosensors and Bioelectronics, 2018, 120, 77-84.	10.1	22
64	Carbon dots with induced surface oxidation permits imaging at single-particle level for intracellular studies. Nanoscale, 2018, 10, 18510-18519.	5.6	26
65	Copper-Catalyzed Syntheses of Pyrene-Pyrazole Pharmacophores and Structure Activity Studies for Tubulin Polymerization. ACS Omega, 2018, 3, 6378-6387.	3.5	6
66	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied withÂFluorescence Lifetime Imaging and Super-resolution Microscopy. Precision Nanomedicine, 2018, 1, 128-145.	0.8	11
67	Macromolecularly â€œCagedâ€•Carbon Nanoparticles for Intracellular Trafficking via Switchable Photoluminescence. Journal of the American Chemical Society, 2017, 139, 1746-1749.	13.7	63
68	Real-Time Monitoring of Post-Surgical and Post-Traumatic Eye Injuries Using Multilayered Electrical Biosensor Chip. ACS Applied Materials & Interfaces, 2017, 9, 8609-8622.	8.0	28
69	Multi-Shell Nano-CarboScavengers for Petroleum Spill Remediation. Scientific Reports, 2017, 7, 41880.	3.3	21
70	Surface chemistry of carbon nanoparticles functionally select their uptake in various stages of cancer cells. Nano Research, 2017, 10, 3269-3284.	10.4	55
71	Medical Device Design: Applying a Human-Centered Design Methodology. Proceedings of the International Symposium of Human Factors and Ergonomics in Healthcare, 2017, 6, 177-180.	0.3	0
72	Î±-Amino Acid Rich Photophytonic Nanoparticles of Algal Origin Serendipitously Reveal Antimigratory Property against Cancer. ACS Applied Materials & Interfaces, 2017, 9, 21147-21154.	8.0	4

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73	Genomic DNA Interactions Mechanize Peptidotoxin-Mediated Anticancer Nanotherapy. Molecular Pharmaceutics, 2017, 14, 2254-2261.	4.6	3
74	Nanosalina: A Tale of Saline-Loving Algae from the Lakeâ€™s Agony to Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 11528-11536.	8.0	8
75	3Dâ€Printed Multidrugâ€Eluting Stent from Grapheneâ€Nanoplateletâ€Doped Biodegradable Polymer Composite. Advanced Healthcare Materials, 2017, 6, 1700008.	7.6	89
76	Molecular Imaging with Spectral CT Nanoprobes. , 2017, , 385-402.		2
77	Paper-Based Analytical Biosensor Chip Designed from Graphene-Nanoplatelet-Amphiphilic-diblock-co-Polymer Composite for Cortisol Detection in Human Saliva. Analytical Chemistry, 2017, 89, 2107-2115.	6.5	88
78	Bone-Induced Expression of Integrin Î²3 Enables Targeted Nanotherapy of Breast Cancer Metastases. Cancer Research, 2017, 77, 6299-6312.	0.9	63
79	Phenotypically Screened Carbon Nanoparticles for Enhanced Combinatorial Therapy in Triple Negative Breast Cancer. Cellular and Molecular Bioengineering, 2017, 10, 371-386.	2.1	14
80	Functional carbon nanodots for multiscale imaging and therapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1436.	6.1	48
81	Label-free detection of lactoferrin and beta-2-microglobuin in contrived tear film using a low-cost electrical biosensor chip. , 2017, , .		4
82	Ultra-sensitive paper-based biosensor for cortisol sensing in human saliva with electrical impedance analyzer. , 2017, , .		3
83	Sn2 Lipase Labile Prodrugs and Contact-Facilitated Drug Delivery for Lipid-Encapsulated Nanomedicines. ACS Symposium Series, 2017, , 189-209.	0.5	0
84	Resolving the OcuCheck: A Human-Centered Design Approach. Design Journal, 2017, 20, S4781-S4783.	0.8	0
85	Pro-haloacetate Nanoparticles for Efficient Cancer Therapy via Pyruvate Dehydrogenase Kinase Modulation. Scientific Reports, 2016, 6, 28196.	3.3	11
86	Multi-functionality Redefined with Colloidal Carotene Carbon Nanoparticles for Synchronized Chemical Imaging, Enriched Cellular Uptake and Therapy. Scientific Reports, 2016, 6, 29299.	3.3	18
87	(â^')/(+)-Sparteine induced chirally-active carbon nanoparticles for enantioselective separation of racemic mixtures. Chemical Communications, 2016, 52, 7513-7516.	4.1	36
88	An anisotropic propagation technique for synthesizing hyperbranched polyvillic gold nanoparticles. Nano Research, 2016, 9, 2889-2903.	10.4	9
89	Hyperspectral Imaging Offers Visual and Quantitative Evidence of Drug Release from Zwitterionicâ€Phospholipidâ€Nanocarbon When Concurrently Tracked in 3D Intracellular Space. Advanced Functional Materials, 2016, 26, 8031-8041.	14.9	46
90	Nano-Cesium for Anti-Cancer Properties: An Investigation into Cesium Induced Metabolic Interference. ACS Applied Materials & Interfaces, 2016, 8, 26600-26612.	8.0	6

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91	Contactâ€facilitated drug delivery with Sn2 lipase labile prodrugs optimize targeted lipid nanoparticle drug delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2016, 8, 85-106.	6.1	26
92	Defined Hostâ€“Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer. Small, 2016, 12, 5845-5861.	10.0	21
93	Breast Cancer Therapy: Defined Host-Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer (Small 42/2016). Small, 2016, 12, 5782-5782.	10.0	0
94	Vibrational spectroscopy and imaging for concurrent cellular trafficking of co-localized doxorubicin and deuterated phospholipid vesicles. Nanoscale, 2016, 8, 2826-2831.	5.6	5
95	Carotenoid Nanovector for Efficient Therapeutic Gene Knockdown of Transcription Factor FOXC1 in Liver Cancer. Bioconjugate Chemistry, 2016, 27, 594-603.	3.6	14
96	Dual-therapy with Î±vÎ²3-targeted Sn2 lipase-labile fumagillin-prodrug nanoparticles and zoledronic acid in the Vx2 rabbit tumor model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 201-211.	3.3	13
97	Works in Progress: a Challenge-Inspired Undergraduate Experience. , 2015, , 26.1774.1.		0
98	Regulating Biocompatibility of Carbon Spheres via Defined Nanoscale Chemistry and a Careful Selection of Surface Functionalities. Scientific Reports, 2015, 5, 14986.	3.3	46
99	Point-of-service, quantitative analysis of ascorbic acid in aqueous humor for evaluating anterior globe integrity. Scientific Reports, 2015, 5, 16011.	3.3	14
100	Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy. Small, 2015, 11, 4691-4703.	10.0	51
101	Î±_{Î½}Î²₃-targeted Copper Nanoparticles Incorporating an Sn 2 Lipase-Labile Fumagillin Prodrug for Photoacoustic Neovascular Imaging and Treatment. Theranostics, 2015, 5, 124-133.	10.0	49
102	Defined Nanoscale Chemistry Influences Delivery of Peptido-Toxins for Cancer Therapy. PLoS ONE, 2015, 10, e0125908.	2.5	28
103	Enriched inhibition of cancer and stem-like cancer cells via STAT-3 modulating niclocelles. Nanoscale, 2015, 7, 7127-7132.	5.6	32
104	Carbon Nanospheres: Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy (Small 36/2015). Small, 2015, 11, 4796-4796.	10.0	0
105	Bi-modal cancer treatment utilizing therapeutic ultrasound and an engineered therapeutic nanobubble. RSC Advances, 2015, 5, 63839-63845.	3.6	4
106	Photoacoustic Tomography. IEEE Transactions on Medical Imaging, 2015, 34, 2645-2645.	8.9	4
107	Next Generation Carbon Nanoparticles for Efficient Gene Therapy. Molecular Pharmaceutics, 2015, 12, 375-385.	4.6	31
108	Next Generation Gene Delivery Approaches: Recent Progress and Hurdles. Molecular Pharmaceutics, 2015, 12, 299-300.	4.6	5

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109	A strategy for combating melanoma with oncogenic c-Myc inhibitors and targeted nanotherapy. Nanomedicine, 2015, 10, 241-251.	3.3	25
110	A dual strategy for sensing metals with a nano â€˜pincerâ€™ scavenger for in vitro diagnostics and detection of liver diseases from blood samples. Colloids and Surfaces B: Biointerfaces, 2015, 126, 444-451.	5.0	4
111	Atherosclerotic neovasculature MR imaging with mixed manganeseâ€“gadolinium nanocolloids in hyperlipidemic rabbits. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 569-578.	3.3	9
112	Synergy between surface and core entrapped metals in a mixed manganeseâ€“gadolinium nanocolloid affords safer MR imaging of sparse biomarkers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 601-609.	3.3	10
113	Small Molecule MYC Inhibitor Conjugated to Integrin-Targeted Nanoparticles Extends Survival in a Mouse Model of Disseminated Multiple Myeloma. Molecular Cancer Therapeutics, 2015, 14, 1286-1294.	4.1	52
114	Combinatorial therapy for triple negative breast cancer using hyperstar polymer-based nanoparticles. Chemical Communications, 2015, 51, 16710-16713.	4.1	24
115	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. ACS Nano, 2015, 9, 10695-10718.	14.6	56
116	Multimodal Imaging and Theranostic Application of Disease-Directed Agents. Topics in Medicinal Chemistry, 2015, , 75-103.	0.8	1
117	Personalized Medicine: Where Do We Go from Here?. Topics in Medicinal Chemistry, 2015, , 121-130.	0.8	0
118	Multiscale Imaging of Nanoparticle Drug Delivery. Current Drug Targets, 2015, 16, 560-570.	2.1	15
119	Emerging Trends in Molecularly Targeted Optobeacons for Photoacoustic Tomographic Imaging. , 2014, , .		0
120	Photoacoustic molecular imaging of angiogenesis using theranostic Î±Î½Î²3-targeted copper nanoparticles incorporating a sn-2 lipase-labile fumagillin prodrug. , 2014, , .		1
121	Anti-Angiogenesis Therapy in the Vx2 Rabbit Cancer Model with a Lipase-cleavable Sn 2 Taxane Phospholipid Prodrug using Î±_vÎ²₃-Targeted Theranostic Nanoparticles. Theranostics, 2014, 4, 565-578.	10.0	45
122	Nanoscopic Poly-DNA-Cleaver for Breast Cancer Regression with Induced Oxidative Damage. Molecular Pharmaceutics, 2014, 11, 4218-4227.	4.6	11
123	Multicolor computed tomographic molecular imaging with noncrystalline highâ€metalâ€density nanobeacons. Contrast Media and Molecular Imaging, 2014, 9, 13-25.	0.8	25
124	Highly efficient anti-cancer therapy using scorpion â€˜NanoVeninâ€™. Chemical Communications, 2014, 50, 13220-13223.	4.1	17
125	Fumagillin Prodrug Nanotherapy Suppresses Macrophage Inflammatory Response via Endothelial Nitric Oxide. ACS Nano, 2014, 8, 7305-7317.	14.6	76
126	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

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127	Efficacy of a novel integrinâ€targeted antiâ€câ€Myc nanotherapy against multiple myeloma in mice (1054.11). FASEB Journal, 2014, 28, 1054.11.	0.5	0
128	A green synthesis of carbon nanoparticles from honey and their use in real-time photoacoustic imaging. Nano Research, 2013, 6, 312-325.	10.4	161
129	Theranostic Nanomedicine with Functional Nanoarchitecture. Molecular Pharmaceutics, 2013, 10, 781-782.	4.6	42
130	Statistical Reconstruction of Material Decomposed Data in Spectral CT. IEEE Transactions on Medical Imaging, 2013, 32, 1249-1257.	8.9	68
131	A brief account of nanoparticle contrast agents for photoacoustic imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 517-543.	6.1	53
132	Surface Passivation of Carbon Nanoparticles with Branched Macromolecules Influences Near Infrared Bioimaging. Theranostics, 2013, 3, 677-686.	10.0	83
133	Antiangiogenic nanotherapy with lipase-labileSn-2fumagillin prodrug. Nanomedicine, 2012, 7, 1507-1519.	3.3	26
134	Photoacoustic Sentinel Lymph Node Imaging with Self-Assembled Copper Neodecanoate Nanoparticles. ACS Nano, 2012, 6, 1260-1267.	14.6	92
135	An Early Investigation of Ytterbium Nanocolloids for Selective and Quantitative â€œMulticolorâ€• Spectral CT Imaging. ACS Nano, 2012, 6, 3364-3370.	14.6	121
136	Suppression of inflammation in a mouse model of rheumatoid arthritis using targeted lipase-labile fumagillin prodrug nanoparticles. Biomaterials, 2012, 33, 8632-8640.	11.4	52
137	Second generation gold nanobeacons for robust K-edge imaging with multi-energy CT. Journal of Materials Chemistry, 2012, 22, 23071.	6.7	25
138	Sensitive Biological Detection with a Soluble and Stable Polymeric Paramagnetic Nanocluster. Journal of the American Chemical Society, 2012, 134, 10377-10380.	13.7	18
139	Rapid Synthesis of Near Infrared Polymeric Micelles for Realâ€Time Sentinel Lymph Node Imaging. Advanced Healthcare Materials, 2012, 1, 582-589.	7.6	27
140	Nephrogenic Systemic Fibrosis (NSF): What It Really Means for Materials Scientists?. Journal of Biotechnology & Biomaterials, 2012, 02, .	0.3	0
141	Perfluorocarbon Nanoparticles: A Theranostic Platform Technology. , 2012, , 293-345.		0
142	Synthesis of NanoQ, a Copper-Based Contrast Agent for High-Resolution Magnetic Resonance Imaging Characterization of Human Thrombus. Journal of the American Chemical Society, 2011, 133, 9168-9171.	13.7	43
143	Manganese-based MRI contrast agents: past, present, and future. Tetrahedron, 2011, 67, 8431-8444.	1.9	335
144	Revisiting an old friend: manganeseâ€based MRI contrast agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2011, 3, 162-173.	6.1	155

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145	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 378-388.	0.8	55
146	Molecular photoacoustic imaging of angiogenesis with integrinâ€targeted gold nanobeacons. FASEB Journal, 2011, 25, 875-882.	0.5	160
147	A Facile Synthesis of Novel Self-Assembled Gold Nanorods Designed for Near-Infrared Imaging. Journal of Nanoscience and Nanotechnology, 2010, 10, 8118-8123.	0.9	46
148	Computed Tomography in Color: NanoKâ€Enhanced Spectral CT Molecular Imaging. Angewandte Chemie - International Edition, 2010, 49, 9635-9639.	13.8	145
149	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. Biomaterials, 2010, 31, 4088-4093.	11.4	154
150	Rationale for a Nanomedicine Approach to Thrombolytic Therapy. Stroke, 2010, 41, S42-4.	2.0	26
151	Nanomedicine strategies for molecular targets with MRI and optical imaging. Future Medicinal Chemistry, 2010, 2, 471-490.	2.3	88
152	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. Angewandte Chemie - International Edition, 2009, 48, 4170-4173.	13.8	92
153	Sensitive and efficient detection of thrombus with fibrin-specific manganese nanocolloids. Chemical Communications, 2009, , 3234.	4.1	48
154	Nanomedicine: Perspective and promises with ligand-directed molecular imaging. European Journal of Radiology, 2009, 70, 274-285.	2.6	98
155	Detecting Vascular Biosignatures with a Colloidal, Radio-Opaque Polymeric Nanoparticle. Journal of the American Chemical Society, 2009, 131, 15522-15527.	13.7	81
156	Ligand-Directed Nanobialys as Theranostic Agent for Drug Delivery and Manganese-Based Magnetic Resonance Imaging of Vascular Targets. Journal of the American Chemical Society, 2008, 130, 9186-9187.	13.7	170
157	Waveguide-Integrated Ge p-i-n Photodetectors on SOI Platform. , 2006, , .		7
158	Waveguide Integrated Ge p-i-n Photodetectors on a Silicon-on-Insulator Platform. , 2006, , .		11
159	Large Electro-Optic Effect in Tensile Strained Ge-on-Si Films. , 2006, , .		6
160	Chlorine-Directed Formylation of Chloroindanones under Vilsmeier?Haack Reaction Condition.. ChemInform, 2005, 36, no.	0.0	0
161	High Speed Ge Photodetectors on Si Platform for GHz Optical Communications in C+L Bands. Materials Research Society Symposia Proceedings, 2004, 829, 24.	0.1	2
162	Folic acid-conjugated nanostructured materials designed for cancer cell targetingElectronic supplementary information (ESI) available: experimental details; selected plots and spectra. See http://www.rsc.org/suppdata/cc/b3/b307878g/. Chemical Communications, 2003, , 2400.	4.1	167

#	Article	IF	Citations
163	Indium Mediated Allylation of Î²-Chloro-/Î²-Alkoxy Vinylaldehyde: A Facile One Pot Synthesis of 1-Chloro-/1-Alkoxy Hexa-1,5-diene-3-ol Derivatives. Synthetic Communications, 2003, 33, 1-9.	2.1	7
164	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. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 2470-2475.	1.3	15
165	Regioselective Alkylation Of Polycyclic Thiophene Derivatives By Butyllithium And Alkyl Halide. Synthetic Communications, 2000, 30, 3569-3573.	2.1	4
166	Highly site-selective alkylation reaction of bent aza-heterocycles by alkyllithium and alkyl halides. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 2171-2173.	1.3	3
167	Implementing a Challenge-Inspired Undergraduate Experience. , 0, , .		0