Dipanjan Pan

List of Publications by Year in Descending Order

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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	Hitchhiking probiotic vectors to deliver ultra-small hafnia nanoparticles for 'Color' gastrointestinal tract photon counting X-ray imaging.. *Nanoscale Horizons*, **2022**,	10.8	1
161	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	11.8	2
160	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	11.8	5
159	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	8.3	4
158	VLA4-Targeted Nanoparticles Hijack Cell Adhesion-Mediated Drug Resistance to Target Refractory Myeloma Cells and Prolong Survival. *Clinical Cancer Research*, **2021**, 27, 1974-1986	12.9	5
157	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*, **2021**, 200, 113900	11.8	9
156	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,	11.5	8
155	RNA-extraction-free nano-amplified colorimetric test for point-of-care clinical diagnosis of COVID-19. *Nature Protocols*, **2021**, 16, 3141-3162	18.8	33
154	Rapid and low-cost sampling for detection of airborne SARS-CoV-2 in dehumidifier condensate. *Biotechnology and Bioengineering*, **2021**, 118, 3029-3036	4.9	6
153	Unlocking the power of optical imaging in the second biological window: Structuring near-infrared II materials from organic molecules to nanoparticles. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, 13, e1734	9.2	3
152	Hyperspectral Mapping for the Detection of SARS-CoV-2 Using Nanomolecular Probes with Yoctomole Sensitivity. *ACS Nano*, **2021**,	16.7	6
151	Synthesis and characterisation of N-gene targeted NIR-II fluorescent probe for selective localisation of SARS-CoV-2. *Chemical Communications*, **2021**, 57, 6229-6232	5.8	8
150	Function-adaptive clustered nanoparticles reverse Streptococcus mutans dental biofilm and maintain microbiota balance. *Communications Biology*, **2021**, 4, 846	6.7	4
149	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. *ACS Applied Materials & Interfaces*, **2021**, 13, 46464-46477	9.5	2
148	Luminescence switching in polymerically confined carbon nanoparticles triggered by UV-light. *Nanoscale*, **2021**, 13, 16288-16295	7.7	3
147	Near-infrared emitting dual-stimuli-responsive carbon dots from endogenous bile pigments. *Nanoscale*, **2021**, 13, 13487-13496	7.7	3
146	UV-trained and metal-enhanced fluorescence of biliverdin and biliverdin nanoparticles. *Nanoscale*, **2021**, 13, 4785-4798	7.7	3

145	Rational Design of Surface-State Controlled Multicolor Cross-Linked Carbon Dots with Distinct Photoluminescence and Cellular Uptake Properties. *ACS Applied Materials & Interfaces*, **2021**,	9.5	5
144	Machine Learning for Precision Breast Cancer Diagnosis and Prediction of the Nanoparticle Cellular Internalization. *ACS Sensors*, **2020**, 5, 1689-1698	9.2	16
143	Selective Naked-Eye Detection of SARS-CoV-2 Mediated by N Gene Targeted Antisense Oligonucleotide Capped Plasmonic Nanoparticles. *ACS Nano*, **2020**, 14, 7617-7627	16.7	372
142	Biodegradable MRI Visible Drug Eluting Stent Reinforced by Metal Organic Frameworks. *Advanced Healthcare Materials*, **2020**, 9, e2000136	10.1	5
141	Complementary Oligonucleotide Conjugated Multicolor Carbon Dots for Intracellular Recognition of Biological Events. *ACS Applied Materials & Interfaces*, **2020**, 12, 16137-16149	9.5	17
140	PARP Inhibition Synergizes with Melphalan but Does not Reverse Resistance Completely. *Biology of Blood and Marrow Transplantation*, **2020**, 26, 1273-1279	4.7	2
139	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). *Advanced Functional Materials*, **2020**, 30, 2070025	15.6	0
138	Oligodots: Structurally Defined Fluorescent Nanoprobes for Multiscale Dual-Color Imaging and. *ACS Applied Materials & Interfaces*, **2020**, 12, 10183-10192	9.5	7
137	Unraveling the Fluorescence Mechanism of Carbon Dots with -Single-Particle Resolution. *ACS Nano*, **2020**, 14, 6127-6137	16.7	76
136	Nano-enabled sensing approaches for pathogenic bacterial detection. *Biosensors and Bioelectronics*, **2020**, 165, 112276	11.8	43
135	Multi-Color Delineation of Bone Microdamages Using Ligand-Directed Sub-5 nm Hafnia Nanodots and Photon Counting CT Imaging. *Advanced Functional Materials*, **2020**, 30, 1904936	15.6	8
134	Computed tomography-guided additive manufacturing of Personalized Absorbable Gastrointestinal Stents for intestinal fistulae and perforations. *Biomaterials*, **2020**, 228, 119542	15.6	5
133	Current trends in pyrrole and porphyrin-derived nanoscale materials for biomedical applications. *Nanomedicine*, **2020**, 15, 2493-2515	5.6	10
132	Rapid, Ultrasensitive, and Quantitative Detection of SARS-CoV-2 Using Antisense Oligonucleotides Directed Electrochemical Biosensor Chip. *ACS Nano*, **2020**,	16.7	178
131	Lymphatic Vessel on a Chip with Capability for Exposure to Cyclic Fluidic Flow.. *ACS Applied Bio Materials*, **2020**, 3, 6697-6707	4.1	10
130	Intratumoral generation of photothermal gold nanoparticles through a vectorized biomineralization of ionic gold. *Nature Communications*, **2020**, 11, 4530	17.4	29
129	On-Chip Electrical Monitoring of Real-Time Soft and Hard Protein Corona Formation on Carbon Nanoparticles. *Small Methods*, **2020**, 4, 2000099	12.8	9
128	Enhancement of auxiliary agent for washing efficiency of diesel contaminated soil with surfactants. *Chemosphere*, **2020**, 252, 126494	8.4	15

127	Machine Learning-Assisted Array-Based Biomolecular Sensing Using Surface-Functionalized Carbon Dots. *ACS Sensors*, **2019**, 4, 2730-2737	9.2	44
126	Electrochemical-digital immunosensor with enhanced sensitivity for detecting human salivary glucocorticoid hormone. *Analyst, The*, **2019**, 144, 1448-1457	5	27
125	Pro-Nifuroxazide Self-Assembly Leads to Triggerable Nanomedicine for Anti-cancer Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 18074-18089	9.5	7
124	Enzyme-catalysed biodegradation of carbon dots follows sequential oxidation in a time dependent manner. *Nanoscale*, **2019**, 11, 8226-8236	7.7	27
123	Pumpless microfluidic devices for generating healthy and diseased endothelia. *Lab on A Chip*, **2019**, 19, 3212-3219	7.2	10
122	Biodegradable Biliverdin Nanoparticles for Efficient Photoacoustic Imaging. *ACS Nano*, **2019**, 13, 7690-7704	14.7	35
121	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	15.6	30
120	Label-Free Pathogen Detection Based on Yttrium-Doped Carbon Nanoparticles up to Single-Cell Resolution. *ACS Applied Materials & Interfaces*, **2019**, 11, 42943-42955	9.5	15
119	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, 572-572	10.4	11
118	Nano-Assembly of Pamitoyl-Bioconjugated Coenzyme-A for Combinatorial Chemo-Biologics in Transcriptional Therapy. *Bioconjugate Chemistry*, **2018**, 29, 1419-1427	6.3	3
117	Revisiting Polyarenes and Related Molecules: An Update of Synthetic Approaches and Structure-Activity-Mechanistic Correlation for Carcinogenesis. *Chemical Record*, **2018**, 18, 619-658	6.6	3
116	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	5.5	3
115	In Situ Time-Dependent and Progressive Oxidation of Reduced State Functionalities at the Nanoscale of Carbon Nanoparticles for Polarity-Driven Multiscale Near-Infrared Imaging. *Advanced Biology*, **2018**, 2, 1800009	3.5	16
114	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	5	49
113	Electrically-receptive and thermally-responsive paper-based sensor chip for rapid detection of bacterial cells. *Biosensors and Bioelectronics*, **2018**, 110, 132-140	11.8	52
112	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	15.6	23
111	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	11.5	56
110	In situ plasmonic generation in functional ionic-gold-nanogel scaffold for rapid quantitative bio-sensing. *Biosensors and Bioelectronics*, **2018**, 120, 77-84	11.8	18

109	Carbon dots with induced surface oxidation permits imaging at single-particle level for intracellular studies. *Nanoscale*, **2018**, 10, 18510-18519	7.7	19
108	Copper-Catalyzed Syntheses of Pyrene-Pyrazole Pharmacophores and Structure Activity Studies for Tubulin Polymerization. *ACS Omega*, **2018**, 3, 6378-6387	3.9	4
107	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. *Precision Nanomedicine*, **2018**, 1, 128-145	1.2	5
106	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	6.1	15
105	Biodegradable nano carbon-based smart filters for efficient remediation of pharmaceutical contaminants. *Journal of Materials Chemistry A*, **2018**, 6, 22951-22957	13	5
104	Multimodal imaging of the receptor for advanced glycation end-products with molecularly targeted nanoparticles. *Theranostics*, **2018**, 8, 5012-5024	12.1	21
103	Synthesis of Chiral Carbo-Nanotweezers for Enantiospecific Recognition and DNA Duplex Winding in Cancer Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 37886-37897	9.5	7
102	Chirality Inversion on the Carbon Dot Surface via Covalent Surface Conjugation of Cyclic □Amino Acid Capping Agents. *Bioconjugate Chemistry*, **2018**, 29, 3913-3922	6.3	15
101	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	8.3	1
100	Fluorescence Detection of Bone Microcracks Using Monophosphonated Carbon Dots. *ACS Applied Materials & Interfaces*, **2018**, 10, 19408-19415	9.5	22
99	Macromolecularly "Caged" Carbon Nanoparticles for Intracellular Trafficking via Switchable Photoluminescence. *Journal of the American Chemical Society*, **2017**, 139, 1746-1749	16.4	52
98	Real-Time Monitoring of Post-Surgical and Post-Traumatic Eye Injuries Using Multilayered Electrical Biosensor Chip. *ACS Applied Materials & Interfaces*, **2017**, 9, 8609-8622	9.5	23
97	Multi-Shell Nano-CarboScavengers for Petroleum Spill Remediation. *Scientific Reports*, **2017**, 7, 41880	4.9	19
96	Surface chemistry of carbon nanoparticles functionally select their uptake in various stages of cancer cells. *Nano Research*, **2017**, 10, 3269-3284	10	44
95	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	0.5	
94	□Amino Acid Rich Photophytonic Nanoparticles of Algal Origin Serendipitously Reveal Antimigratory Property against Cancer. *ACS Applied Materials & Interfaces*, **2017**, 9, 21147-21154	9.5	3
93	Genomic DNA Interactions Mechanize Peptidotoxin-Mediated Anticancer Nanotherapy. *Molecular Pharmaceutics*, **2017**, 14, 2254-2261	5.6	3
92	Nanosalina: A Tale of Saline-Loving Algae from the Lake's Agony to Cancer Therapy. *ACS Applied Materials & Interfaces*, **2017**, 9, 11528-11536	9.5	7

91	3D-Printed Multidrug-Eluting Stent from Graphene-Nanoplatelet-Doped Biodegradable Polymer Composite. *Advanced Healthcare Materials*, **2017**, 6, 1700008	10.1	59
90	Molecular Imaging with Spectral CT Nanoprobes **2017**, 385-402		2
89	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	7.8	71
88	Bone-Induced Expression of Integrin □ Enables Targeted Nanotherapy of Breast Cancer Metastases. *Cancer Research*, **2017**, 77, 6299-6312	10.1	42
87	Phenotypically Screened Carbon Nanoparticles for Enhanced Combinatorial Therapy in Triple Negative Breast Cancer. *Cellular and Molecular Bioengineering*, **2017**, 10, 371-386	3.9	9
86	Functional carbon nanodots for multiscale imaging and therapy. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2017**, 9, e1436	9.2	33
85	Label-free detection of lactoferrin and beta-2-microglobuin in contrived tear film using a low-cost electrical biosensor chip **2017**,		1
84	Ultra-sensitive paper-based biosensor for cortisol sensing in human saliva with electrical impedance analyzer **2017**,		2
83	Sn2 Lipase Labile Prodrugs and Contact-Facilitated Drug Delivery for Lipid-Encapsulated Nanomedicines. *ACS Symposium Series*, **2017**, 189-209	0.4	
82	Resolving the OcuCheck: A Human-Centered Design Approach. *Design Journal*, **2017**, 20, S4781-S4783	0.6	
81	Defined Host-Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer. *Small*, **2016**, 12, 5845-5861	11	15
80	Breast Cancer Therapy: Defined Host□Guest Chemistry on Nanocarbon for Sustained Inhibition of Cancer (Small 42/2016). *Small*, **2016**, 12, 5782-5782	11	
79	Vibrational spectroscopy and imaging for concurrent cellular trafficking of co-localized doxorubicin and deuterated phospholipid vesicles. *Nanoscale*, **2016**, 8, 2826-31	7.7	5
78	Carotenoid Nanovector for Efficient Therapeutic Gene Knockdown of Transcription Factor FOXC1 in Liver Cancer. *Bioconjugate Chemistry*, **2016**, 27, 594-603	6.3	12
77	Dual-therapy with □3-targeted Sn2 lipase-labile fumagillin-prodrug nanoparticles and zoledronic acid in the Vx2 rabbit tumor model. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2016**, 12, 201-11	6	12
76	Pro-haloacetate Nanoparticles for Efficient Cancer Therapy via Pyruvate Dehydrogenase Kinase Modulation. *Scientific Reports*, **2016**, 6, 28196	4.9	9
75	Multi-functionality Redefined with Colloidal Carotene Carbon Nanoparticles for Synchronized Chemical Imaging, Enriched Cellular Uptake and Therapy. *Scientific Reports*, **2016**, 6, 29299	4.9	12
74	(-)/(+)-Sparteine induced chirally-active carbon nanoparticles for enantioselective separation of racemic mixtures. *Chemical Communications*, **2016**, 52, 7513-6	5.8	22

73	An anisotropic propagation technique for synthesizing hyperbranched polyvillic gold nanoparticles. *Nano Research*, **2016**, 9, 2889-2903	10	9
72	Hyperspectral Imaging Offers Visual and Quantitative Evidence of Drug Release from Zwitterionic-Phospholipid-Nanocarbon When Concurrently Tracked in 3D Intracellular Space. *Advanced Functional Materials*, **2016**, 26, 8031-8041	15.6	37
71	Nano-Cesium for Anti-Cancer Properties: An Investigation into Cesium Induced Metabolic Interference. *ACS Applied Materials & Interfaces*, **2016**, 8, 26600-26612	9.5	5
70	Contact-facilitated drug delivery with Sn2 lipase labile prodrugs optimize targeted lipid nanoparticle drug delivery. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2016**, 8, 85-106	9.2	25
69	A strategy for combating melanoma with oncogenic c-Myc inhibitors and targeted nanotherapy. *Nanomedicine*, **2015**, 10, 241-51	5.6	22
68	A dual strategy for sensing metals with a nano 'pincer' scavenger for in vitro diagnostics and detection of liver diseases from blood samples. *Colloids and Surfaces B: Biointerfaces*, **2015**, 126, 444-51	6	4
67	Atherosclerotic neovasculature MR imaging with mixed manganese-gadolinium nanocolloids in hyperlipidemic rabbits. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 569-78	6	7
66	Synergy between surface and core entrapped metals in a mixed manganese-gadolinium nanocolloid affords safer MR imaging of sparse biomarkers. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2015**, 11, 601-9	6	8
65	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	6.1	48
64	Combinatorial therapy for triple negative breast cancer using hyperstar polymer-based nanoparticles. *Chemical Communications*, **2015**, 51, 16710-3	5.8	24
63	Trimodal Therapy: Combining Hyperthermia with Repurposed Bexarotene and Ultrasound for Treating Liver Cancer. *ACS Nano*, **2015**, 9, 10695-10718	16.7	50
62	Multimodal Imaging and Theranostic Application of Disease-Directed Agents. *Topics in Medicinal Chemistry*, **2015**, 75-103	0.4	1
61	Personalized Medicine: Where Do We Go from Here?. *Topics in Medicinal Chemistry*, **2015**, 121-130	0.4	
60	Regulating Biocompatibility of Carbon Spheres via Defined Nanoscale Chemistry and a Careful Selection of Surface Functionalities. *Scientific Reports*, **2015**, 5, 14986	4.9	39
59	Point-of-service, quantitative analysis of ascorbic acid in aqueous humor for evaluating anterior globe integrity. *Scientific Reports*, **2015**, 5, 16011	4.9	10
58	Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy. *Small*, **2015**, 11, 4691-703	11	44
57	alphaVbeta3-targeted copper nanoparticles incorporating an Sn 2 lipase-labile fumagillin prodrug for photoacoustic neovascular imaging and treatment. *Theranostics*, **2015**, 5, 124-33	12.1	46
56	Defined nanoscale chemistry influences delivery of peptido-toxins for cancer therapy. *PLoS ONE*, **2015**, 10, e0125908	3.7	23

55	Enriched inhibition of cancer and stem-like cancer cells via STAT-3 modulating niclocelles. *Nanoscale*, **2015**, 7, 7127-32	7.7	27
54	Carbon Nanospheres: Tunable Luminescent Carbon Nanospheres with Well-Defined Nanoscale Chemistry for Synchronized Imaging and Therapy (Small 36/2015). *Small*, **2015**, 11, 4796-4796	11	
53	Bi-modal cancer treatment utilizing therapeutic ultrasound and an engineered therapeutic nanobubble. *RSC Advances*, **2015**, 5, 63839-63845	3.7	3
52	Photoacoustic Tomography. *IEEE Transactions on Medical Imaging*, **2015**, 34, 2645-2645	11.7	2
51	Next generation carbon nanoparticles for efficient gene therapy. *Molecular Pharmaceutics*, **2015**, 12, 375-85	5.6	25
50	Multiscale Imaging of Nanoparticle Drug Delivery. *Current Drug Targets*, **2015**, 16, 560-70	3	14
49	Works in Progress: a Challenge-Inspired Undergraduate Experience **2015**, 26.1774.1		
48	Nanoscopic poly-DNA-cleaver for breast cancer regression with induced oxidative damage. *Molecular Pharmaceutics*, **2014**, 11, 4218-27	5.6	10
47	Multicolor computed tomographic molecular imaging with noncrystalline high-metal-density nanobeacons. *Contrast Media and Molecular Imaging*, **2014**, 9, 13-25	3.2	22
46	Highly efficient anti-cancer therapy using scorpion 'NanoVenin'. *Chemical Communications*, **2014**, 50, 13220-3	5.8	17
45	Fumagillin prodrug nanotherapy suppresses macrophage inflammatory response via endothelial nitric oxide. *ACS Nano*, **2014**, 8, 7305-17	16.7	61
44	Application of a hemolysis assay for analysis of complement activation by perfluorocarbon nanoparticles. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2014**, 10, 651-60	6	47
43	Photoacoustic molecular imaging of angiogenesis using theranostic □-targeted copper nanoparticles incorporating a sn-2 lipase-labile fumagillin prodrug **2014**,		1
42	Anti-angiogenesis therapy in the Vx2 rabbit cancer model with a lipase-cleavable Sn 2 taxane phospholipid prodrug using □(v)□-targeted theranostic nanoparticles. *Theranostics*, **2014**, 4, 565-78	12.1	39
41	Efficacy of a novel integrin-targeted anti-c-Myc nanotherapy against multiple myeloma in mice (1054.11). *FASEB Journal*, **2014**, 28, 1054.11	0.9	
40	A Green Synthesis of Carbon Nanoparticle from Honey for Real-Time Photoacoustic Imaging. *Nano Research*, **2013**, 6, 312-325	10	134
39	Statistical reconstruction of material decomposed data in spectral CT. *IEEE Transactions on Medical Imaging*, **2013**, 32, 1249-57	11.7	52
38	A brief account of nanoparticle contrast agents for photoacoustic imaging. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2013**, 5, 517-43	9.2	39

37	Surface passivation of carbon nanoparticles with branched macromolecules influences near infrared bioimaging. *Theranostics*, **2013**, 3, 677-86	12.1	71
36	Photoacoustic sentinel lymph node imaging with self-assembled copper neodecanoate nanoparticles. *ACS Nano*, **2012**, 6, 1260-7	16.7	81
35	An early investigation of ytterbium nanocolloids for selective and quantitative "multicolor" spectral CT imaging. *ACS Nano*, **2012**, 6, 3364-70	16.7	101
34	Suppression of inflammation in a mouse model of rheumatoid arthritis using targeted lipase-labile fumagillin prodrug nanoparticles. *Biomaterials*, **2012**, 33, 8632-40	15.6	49
33	Second Generation Gold Nanobeacons for Robust K-Edge Imaging with Multi-Energy CT. *Journal of Materials Chemistry*, **2012**, 22, 23071-23077		21
32	Sensitive biological detection with a soluble and stable polymeric paramagnetic nanocluster. *Journal of the American Chemical Society*, **2012**, 134, 10377-80	16.4	16
31	Rapid synthesis of near infrared polymeric micelles for real-time sentinel lymph node imaging. *Advanced Healthcare Materials*, **2012**, 1, 582-9	10.1	23
30	Antiangiogenic nanotherapy with lipase-labile Sn-2 fumagillin prodrug. *Nanomedicine*, **2012**, 7, 1507-19	5.6	23
29	Perfluorocarbon Nanoparticles: A Theranostic Platform Technology **2012**, 293-345		
28	Manganese-based MRI contrast agents: past, present and future. *Tetrahedron*, **2011**, 67, 8431-8444	2.4	258
27	Revisiting an old friend: manganese-based MRI contrast agents. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2011**, 3, 162-73	9.2	127
26	Recent advances in colloidal gold nanobeacons for molecular photoacoustic imaging. *Contrast Media and Molecular Imaging*, **2011**, 6, 378-88	3.2	43
25	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, 9168-71	16.4	35
24	Molecular photoacoustic imaging of angiogenesis with integrin-targeted gold nanobeacons. *FASEB Journal*, **2011**, 25, 875-82	0.9	138
23	Rationale for a nanomedicine approach to thrombolytic therapy. *Stroke*, **2010**, 41, S42-4	6.7	21
22	Nanomedicine strategies for molecular targets with MRI and optical imaging. *Future Medicinal Chemistry*, **2010**, 2, 471-90	4.1	74
21	A facile synthesis of novel self-assembled gold nanorods designed for near-infrared imaging. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 8118-23	1.3	32
20	Computed Tomography in Color: NanoK-Enhanced Spectral CT Molecular Imaging. *Angewandte Chemie*, **2010**, 122, 9829-9833	3.6	17

19	Computed tomography in color: NanoK-enhanced spectral CT molecular imaging. *Angewandte Chemie - International Edition*, **2010**, 49, 9635-9	16.4	129
18	Near infrared photoacoustic detection of sentinel lymph nodes with gold nanobeacons. *Biomaterials*, **2010**, 31, 4088-93	15.6	140
17	Molecular Photoacoustic Tomography with Colloidal Nanobeacons. *Angewandte Chemie*, **2009**, 121, 4234-4237	5.6	7
16	Molecular photoacoustic tomography with colloidal nanobeacons. *Angewandte Chemie - International Edition*, **2009**, 48, 4170-3	16.4	80
15	Sensitive and efficient detection of thrombus with fibrin-specific manganese nanocolloids. *Chemical Communications*, **2009**, 3234-6	5.8	45
14	Nanomedicine: perspective and promises with ligand-directed molecular imaging. *European Journal of Radiology*, **2009**, 70, 274-85	4.7	82
13	Detecting vascular biosignatures with a colloidal, radio-opaque polymeric nanoparticle. *Journal of the American Chemical Society*, **2009**, 131, 15522-7	16.4	69
12	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, 9186-7	16.4	152
11	Waveguide-Integrated Ge p-i-n Photodetectors on SOI Platform **2006**,		4
10	Waveguide Integrated Ge p-i-n Photodetectors on a Silicon-on-Insulator Platform **2006**,		9
9	High Speed Ge Photodetectors on Si Platform for GHz Optical Communications in C+L Bands. *Materials Research Society Symposia Proceedings*, **2004**, 829, 24		2
8	Indium Mediated Allylation of Chloro-/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	1.7	5
7	Folic acid-conjugated nanostructured materials designed for cancer cell targeting. *Chemical Communications*, **2003**, 2400-1	5.8	155
6	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		13
5	Regioselective Alkylation Of Polycyclic Thiophene Derivatives By Butyllithium And Alkyl Halide. *Synthetic Communications*, **2000**, 30, 3569-3573	1.7	2
4	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	Rapid and Low-cost Sampling for Detection of Airborne SARS-CoV-2 in Dehumidifier Condensate		1
2	Emerging theranostic applications of carbon dots and its variants. *View*,20200089	7.8	5

1	Small Molecule NIR-II Dyes for Switchable Photoluminescence via Host–Guest Complexation and Supramolecular Assembly with Carbon Dots. *Advanced Science*,2202414	13.6	0