

# Shreya Goel

## 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.

166 papers	14,475 citations	53 h-index	119 g-index
180 ext. papers	16,564 ext. citations	10.5 avg, IF	6.93 L-index

#	Paper	IF	Citations
166	Early prediction of clinical response to checkpoint inhibitor therapy in human solid tumors through mathematical modeling. <i>ELife</i> , <b>2021</b> , 10,	8.9	1
165	Emerging Lipid-Coated Silica Nanoparticles for Cancer Therapy. <i>Nanotechnology in the Life Sciences</i> , <b>2021</b> , 335-361	1.1	1
164	Ultrasmall Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. <i>Nano Letters</i> , <b>2021</b> , 21, 4692-4699	11.5	7
163	Surface Engineering and Multimodal Imaging of Multistage Delivery Vectors in Metastatic Breast Cancer. <i>Bio-protocol</i> , <b>2021</b> , 11, e4030	0.9	
162	Sequential deconstruction of composite drug transport in metastatic breast cancer. <i>Science Advances</i> , <b>2020</b> , 6, eaba4498	14.3	11
161	A modeling platform for the lymphatic system. <i>Journal of Theoretical Biology</i> , <b>2020</b> , 493, 110193	2.3	4
160	Molecular targeting of FATP4 transporter for oral delivery of therapeutic peptide. <i>Science Advances</i> , <b>2020</b> , 6, eaba0145	14.3	10
159	Image-guided mathematical modeling for pharmacological evaluation of nanomaterials and monoclonal antibodies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2020</b> , 12, e1628	9.2	17
158	Retraction of the Research Article: "Molecular targeting of FATP4 transporter for oral delivery of therapeutic peptide" by Z. Hu, S. Nizzero, S. Goel, L. E. Hinkle, X. Wu, C. Li, M. Ferrari and H. Shen. <i>Science Advances</i> , <b>2020</b> , 6, eabc9572	14.3	
157	Immunotherapeutic Transport Oncophysics: Space, Time, and Immune Activation in Cancer. <i>Trends in Cancer</i> , <b>2020</b> , 6, 40-48	12.5	6
156	Moving Beyond the Pillars of Cancer Treatment: Perspectives From Nanotechnology. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 598100	5	6
155	study of enhanced photodynamic cancer cell killing effect by nanometer-thick gold nanosheets. <i>Nano Research</i> , <b>2020</b> , 13, 3217-3223	10	5
154	Intratumoral injection of hydrogel-embedded nanoparticles enhances retention in glioblastoma. <i>Nanoscale</i> , <b>2020</b> , 12, 23838-23850	7.7	9
153	Vulnerable Atherosclerotic Plaque Imaging by Small-Molecule High-Affinity Positron Emission Tomography Radiopharmaceutical. <i>Advanced Therapeutics</i> , <b>2019</b> , 2, 1900005	4.9	2
152	Tumor Site-Dependent Transport Properties Determine Nanotherapeutics Delivery and Its Efficacy. <i>Translational Oncology</i> , <b>2019</b> , 12, 1196-1205	4.9	6
151	Mathematical modeling in cancer nanomedicine: a review. <i>Biomedical Microdevices</i> , <b>2019</b> , 21, 40	3.7	75
150	Recent advancements in mesoporous silica nanoparticles towards therapeutic applications for cancer. <i>Acta Biomaterialia</i> , <b>2019</b> , 89, 1-13	10.8	98

149	Nanotechnology and Immunotherapy in Ovarian Cancer: Tracing New Landscapes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2019</b> , 370, 636-646	4.7	14
148	Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5326-5330	3.6	2
147	Innentitelbild: Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity (Angew. Chem. 16/2019). <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5192-5192	3.6	
146	Systematic comparison of methods for determining the in vivo biodistribution of porous nanostructured injectable inorganic particles. <i>Acta Biomaterialia</i> , <b>2019</b> , 97, 501-512	10.8	7
145	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. <i>Small</i> , <b>2019</b> , 15, e1903747	11	22
144	Co-sputtered Antibacterial and Biocompatible Nanocomposite Titania-Zinc Oxide thin films on Si substrates for Dental Implant applications. <i>Materials Technology</i> , <b>2019</b> , 34, 32-42	2.1	7
143	Surfactant-Stripped Pheophytin Micelles for Multimodal Tumor Imaging and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 544-554	4.1	12
142	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. <i>Biomaterials</i> , <b>2018</b> , 165, 56-65	15.6	90
141	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , <b>2018</b> , 171, 144-152	15.6	26
140	Reassembly of Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , <b>2018</b> , 30, e1704934	24	63
139	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704367	24	129
138	Transport Barriers and Oncophysics in Cancer Treatment. <i>Trends in Cancer</i> , <b>2018</b> , 4, 277-280	12.5	26
137	Targeting angiogenesis for radioimmunotherapy with a Lu-labeled antibody. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2018</b> , 45, 123-131	8.8	15
136	A Novel DNA Aptamer for Dual Targeting of Polymorphonuclear Myeloid-derived Suppressor Cells and Tumor Cells. <i>Theranostics</i> , <b>2018</b> , 8, 31-44	12.1	36
135	Distribution of Glutathione-Stabilized Gold Nanoparticles in Feline Fibrosarcomas and Their Role as a Drug Delivery System for Doxorubicin-Preclinical Studies in a Murine Model. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	9
134	In Vivo Tumor-Targeted Dual-Modality PET/Optical Imaging with a Yolk/Shell-Structured Silica Nanosystem. <i>Nano-Micro Letters</i> , <b>2018</b> , 10, 65	19.5	21
133	General synthesis of silica-based yolk/shell hybrid nanomaterials and tumor vasculature targeting. <i>Nano Research</i> , <b>2018</b> , 11, 4890-4904	10	21
132	Intrinsically Zirconium-89-Labeled Manganese Oxide Nanoparticles for Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. <i>Journal of Biomedical Nanotechnology</i> , <b>2018</b> , 14, 900-909	4	19

131	Chloroquine and nanoparticle drug delivery: A promising combination. <i>Pharmacology &amp; Therapeutics</i> , <b>2018</b> , 191, 43-49	13.9	33
130	Nanomedicine, an emerging therapeutic strategy for oral cancer therapy. <i>Oral Oncology</i> , <b>2018</b> , 76, 1-7	4.4	51
129	Organelle Transplantation: Polymer Functionalization of Isolated Mitochondria for Cellular Transplantation and Metabolic Phenotype Alteration (Adv. Sci. 3/2018). <i>Advanced Science</i> , <b>2018</b> , 5, 1870017	13.6	78
128	Exogenous Radionanomedicine: Inorganic Nanomaterials <b>2018</b> , 13-47		2
127	A highly hemocompatible erythrocyte membrane-coated ultrasmall selenium nanosystem for simultaneous cancer radiosensitization and precise antiangiogenesis. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 4756-4764	7.3	33
126	Taking the vehicle out of drug delivery. <i>Materials Today</i> , <b>2017</b> , 20, 95-97	21.8	32
125	Lipopolyplex potentiates anti-tumor immunity of mRNA-based vaccination. <i>Biomaterials</i> , <b>2017</b> , 125, 81-89	15.6	77
124	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2935-2938	3.6	9
123	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2889-2892	16.4	53
122	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6772-6781	9.5	34
121	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , <b>2017</b> , 38, 907-913	8	31
120	Harnessing the Power of Nanotechnology for Enhanced Radiation Therapy. <i>ACS Nano</i> , <b>2017</b> , 11, 5233-5237	37.7	83
119	Rapamycin nanoparticles localize in diseased lung vasculature and prevent pulmonary arterial hypertension. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 524, 257-267	6.5	22
118	ImmunoPET and Near-Infrared Fluorescence Imaging of Pancreatic Cancer with a Dual-Labeled Bispecific Antibody Fragment. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 1646-1655	5.6	25
117	Enhancing cancer immunotherapy through nanotechnology-mediated tumor infiltration and activation of immune cells. <i>Seminars in Immunology</i> , <b>2017</b> , 34, 114-122	10.7	23
116	Radiolabeled, Antibody-Conjugated Manganese Oxide Nanoparticles for Tumor Vasculature Targeted Positron Emission Tomography and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 38304-38312	9.5	34
115	Bone-targeting nanoparticle to co-deliver decitabine and arsenic trioxide for effective therapy of myelodysplastic syndrome with low systemic toxicity. <i>Journal of Controlled Release</i> , <b>2017</b> , 268, 92-101	11.7	19
114	Radiolabeled inorganic nanoparticles for positron emission tomography imaging of cancer: an overview. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2017</b> , 61, 181-204	1.4	25

113	Contribution of Kupffer cells to liposome accumulation in the liver. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 158, 356-362	6	57
112	A tumor-targeted polymer theranostics platform for positron emission tomography and fluorescence imaging. <i>Nanoscale</i> , <b>2017</b> , 9, 10906-10918	7.7	23
111	Intrabilayer Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. <i>ACS Nano</i> , <b>2017</b> , 11, 12482-12491	16.7	50
110	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , <b>2017</b> , 11, 12193-12201	16.7	27
109	Nanoparticles administered intrapericardially enhance payload myocardial distribution and retention. <i>Journal of Controlled Release</i> , <b>2017</b> , 262, 18-27	11.7	13
108	Gemcitabine enhances the transport of nanovector-albumin-bound paclitaxel in gemcitabine-resistant pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , <b>2017</b> , 403, 296-304	9.9	13
107	Positron emission tomography and nanotechnology: A dynamic duo for cancer theranostics. <i>Advanced Drug Delivery Reviews</i> , <b>2017</b> , 113, 157-176	18.5	106
106	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702928	15.6	90
105	Enzyme-responsive multistage vector for drug delivery to tumor tissue. <i>Pharmacological Research</i> , <b>2016</b> , 113, 92-99	10.2	34
104	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , <b>2016</b> , 28, 8524-8530	24	50
103	Chondroitin Sulfate Immobilized on a Biomimetic Scaffold Modulates Inflammation While Driving Chondrogenesis. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 670-82	6.9	43
102	Mesenchymal stem cells from cortical bone demonstrate increased clonal incidence, potency, and developmental capacity compared to their bone marrow-derived counterparts. <i>Journal of Tissue Engineering</i> , <b>2016</b> , 7, 2041731416661196	7.5	16
101	Enhanced performance of macrophage-encapsulated nanoparticle albumin-bound-paclitaxel in hypo-perfused cancer lesions. <i>Nanoscale</i> , <b>2016</b> , 8, 12544-52	7.7	38
100	An injectable nanoparticle generator enhances delivery of cancer therapeutics. <i>Nature Biotechnology</i> , <b>2016</b> , 34, 414-8	44.5	220
99	Nanotechnology for mesenchymal stem cell therapies. <i>Journal of Controlled Release</i> , <b>2016</b> , 240, 242-250	11.7	24
98	Redirecting Transport of Nanoparticle Albumin-Bound Paclitaxel to Macrophages Enhances Therapeutic Efficacy against Liver Metastases. <i>Cancer Research</i> , <b>2016</b> , 76, 429-39	10.1	40
97	Intrinsically Zr-labeled GdOS:Eu nanophosphors with high stability for dual-modality imaging. <i>American Journal of Translational Research (discontinued)</i> , <b>2016</b> , 8, 5591-5600	3	4
96	Auger electron-based targeted radioimmunotherapy with <sup>58</sup> mCo, a feasibility study <b>2016</b> ,		5

95	Theory and Experimental Validation of a Spatio-temporal Model of Chemotherapy Transport to Enhance Tumor Cell Kill. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004969	5	46
94	A pyruvate decarboxylase-mediated therapeutic strategy for mimicking yeast metabolism in cancer cells. <i>Pharmacological Research</i> , <b>2016</b> , 111, 413-421	10.2	6
93	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , <b>2016</b> , 231, 915-25	7	12
92	Dynamic Positron Emission Tomography Imaging of Renal Clearable Gold Nanoparticles. <i>Small</i> , <b>2016</b> , 12, 2775-82	11	52
91	Native and Reconstituted Plasma Lipoproteins in Nanomedicine: Physicochemical Determinants of Nanoparticle Structure, Stability, and Metabolism. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2016</b> , 12, 146-150	2.1	12
90	Nanomedicine Activities in the United States and Worldwide <b>2016</b> , 21-50		
89	Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , <b>2016</b> , 8, 12683-92	7.7	50
88	Facile Preparation of Multifunctional WS /WO Nanodots for Chelator-Free Zr-Labeling and In Vivo PET Imaging. <i>Small</i> , <b>2016</b> , 12, 5750-5758	11	27
87	Engineering Intrinsically Zirconium-89 Radiolabeled Self-Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. <i>Advanced Science</i> , <b>2016</b> , 3, 1600422	13.6	61
86	Label-Free Isothermal Amplification Assay for Specific and Highly Sensitive Colorimetric miRNA Detection. <i>ACS Omega</i> , <b>2016</b> , 1, 448-455	3.9	31
85	Multimodal Imaging: Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging (Adv. Mater. 38/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 8554-8554	24	
84	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26630-26637	9.5	102
83	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , <b>2016</b> , 10, 7721-30	16.7	79
82	In Vivo Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , <b>2015</b> , 9, 7950-9	16.7	116
81	Multistage vector (MSV) therapeutics. <i>Journal of Controlled Release</i> , <b>2015</b> , 219, 406-415	11.7	46
80	Circulating peptidome to indicate the tumor-resident proteolysis. <i>Scientific Reports</i> , <b>2015</b> , 5, 9327	4.9	10
79	PET Imaging of Abdominal Aortic Aneurysm with <sup>64</sup> Cu-Labeled Anti-CD105 Antibody Fab Fragment. <i>Journal of Nuclear Medicine</i> , <b>2015</b> , 56, 927-32	8.9	30
78	Highlights from the latest articles in nanomedicine for deep tumor imaging and phototherapy. <i>Nanomedicine</i> , <b>2015</b> , 10, 1681-3	5.6	

77	In Vivo Tumor Vasculature Targeting of CuS@MSN Based Theranostic Nanomedicine. <i>ACS Nano</i> , <b>2015</b> , 9, 3926-34	16.7	137
76	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , <b>2015</b> , 10, 1233-46	5.6	71
75	Highlights from the latest articles in nano-oncology. <i>Nanomedicine</i> , <b>2015</b> , 10, 897-8	5.6	1
74	Liposomal doxorubicin extravasation controlled by phenotype-specific transport properties of tumor microenvironment and vascular barrier. <i>Journal of Controlled Release</i> , <b>2015</b> , 217, 293-9	11.7	24
73	Principles of nanoparticle design for overcoming biological barriers to drug delivery. <i>Nature Biotechnology</i> , <b>2015</b> , 33, 941-51	44.5	3478
72	Radio-photothermal therapy mediated by a single compartment nanoplatform depletes tumor initiating cells and reduces lung metastasis in the orthotopic 4T1 breast tumor model. <i>Nanoscale</i> , <b>2015</b> , 7, 19438-47	7.7	65
71	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , <b>2015</b> , 39, 39-46	15.6	61
70	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , <b>2015</b> , 5, 16930	4.9	39
69	Porous silicon microparticles for delivery of siRNA therapeutics. <i>Journal of Visualized Experiments</i> , <b>2015</b> , 52075	1.6	22
68	Porous silicon microparticle potentiates anti-tumor immunity by enhancing cross-presentation and inducing type I interferon response. <i>Cell Reports</i> , <b>2015</b> , 11, 957-966	10.6	69
67	Iron oxide decorated MoS <sub>2</sub> nanosheets with double PEGylation for chelator-free radiolabeling and multimodal imaging guided photothermal therapy. <i>ACS Nano</i> , <b>2015</b> , 9, 950-60	16.7	406
66	Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. <i>Scientific Reports</i> , <b>2014</b> , 4, 5080	4.9	150
65	XBP1 promotes triple-negative breast cancer by controlling the HIF1 $\alpha$ pathway. <i>Nature</i> , <b>2014</b> , 508, 103-107	50.4	512
64	Point-of-care technologies for molecular diagnostics using a drop of blood. <i>Trends in Biotechnology</i> , <b>2014</b> , 32, 132-9	15.1	154
63	Hierarchically-Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4584-4594	15.6	44
62	Capillary-wall collagen as a biophysical marker of nanotherapeutic permeability into the tumor microenvironment. <i>Cancer Research</i> , <b>2014</b> , 74, 4239-46	10.1	56
61	The nano-plasma interface: Implications of the protein corona. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 124, 17-24	6	135
60	Shrinkage of pegylated and non-pegylated liposomes in serum. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2014</b> , 114, 294-300	6	79



59	VEGF $\alpha$ -conjugated mesoporous silica nanoparticle: a tumor targeted drug delivery system. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 21677-85	9.5	95
58	Saturation pressure relationships for two- and three-phase flow analogies for soft matter. <i>Mechanics Research Communications</i> , <b>2014</b> , 62, 132-137	2.2	15
57	Intrinsically radiolabeled nanoparticles: an emerging paradigm. <i>Small</i> , <b>2014</b> , 10, 3825-30	11	90
56	Geometrical confinement of Gd(DOTA) molecules within mesoporous silicon nanoconstructs for MR imaging of cancer. <i>Cancer Letters</i> , <b>2014</b> , 352, 97-101	9.9	30
55	In vivo tumor vasculature targeted PET/NIRF imaging with TRC105(Fab)-conjugated, dual-labeled mesoporous silica nanoparticles. <i>Molecular Pharmaceutics</i> , <b>2014</b> , 11, 4007-14	5.6	78
54	Polymer Nanoparticles Encased in a Cyclodextrin Complex Shell for Potential Site- and Sequence-Specific Drug Release. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4753-4761	15.6	32
53	Tumor vascular permeabilization using localized mild hyperthermia to improve macromolecule transport. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 1487-96	6	50
52	USNCTAM perspectives on mechanics in medicine. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20140401	4.1	28
51	Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. <i>Biomaterials</i> , <b>2014</b> , 35, 7101-9	15.6	74
50	Transport properties of pancreatic cancer describe gemcitabine delivery and response. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 1525-36	15.9	144
49	Nanobody: the "magic bullet" for molecular imaging?. <i>Theranostics</i> , <b>2014</b> , 4, 386-98	12.1	167
48	Tumor lysing genetically engineered T cells loaded with multi-modal imaging agents. <i>Scientific Reports</i> , <b>2014</b> , 4, 4502	4.9	23
47	Human equilibrative nucleoside transporter-1 knockdown tunes cellular mechanics through epithelial-mesenchymal transition in pancreatic cancer cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e107973	3.7	12
46	Cellular communication via nanoparticle-transporting biovesicles. <i>Nanomedicine</i> , <b>2014</b> , 9, 581-592	5.6	7
45	Matching the decay half-life with the biological half-life: ImmunoPET imaging with (44)Sc-labeled cetuximab Fab fragment. <i>Bioconjugate Chemistry</i> , <b>2014</b> , 25, 2197-204	6.3	57
44	Molecular Imaging: Intrinsically Radiolabeled Nanoparticles: An Emerging Paradigm (Small 19/2014). <i>Small</i> , <b>2014</b> , 10, 3824-3824	11	1
43	Chemotherapy: Polymer Nanoparticles Encased in a Cyclodextrin Complex Shell for Potential Site- and Sequence-Specific Drug Release (Adv. Funct. Mater. 30/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4868-4868	15.6	
42	Magnetic Nanoparticles: Hierarchically Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation (Adv. Funct. Mater. 29/2014). <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 4562-4562	15.6	



41	Synthesis and biomedical applications of copper sulfide nanoparticles: from sensors to theranostics. <i>Small</i> , <b>2014</b> , 10, 631-45	11	302
40	Emerging nanotherapeutic strategies in breast cancer. <i>Breast</i> , <b>2014</b> , 23, 10-8	3.6	32
39	Bone marrow endothelium-targeted therapeutics for metastatic breast cancer. <i>Journal of Controlled Release</i> , <b>2014</b> , 187, 22-9	11.7	45
38	Nanopore film based enrichment and quantification of low abundance hepcidin from human bodily fluids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2014</b> , 10, 879-88	6	14
37	Transient mild hyperthermia induces E-selectin mediated localization of mesoporous silicon vectors in solid tumors. <i>PLoS ONE</i> , <b>2014</b> , 9, e86489	3.7	11
36	Scaling and crossovers in molecular transport in nano-fluidic systems. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 113104	3.4	8
35	Bacteriophage Associated Silicon Particles: Design and Characterization of a Novel Theranostic Vector with Improved Payload Carrying Potential. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1,	7.3	18
34	Synthetic nanoparticles functionalized with biomimetic leukocyte membranes possess cell-like functions. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 61-8	28.7	736
33	Mesoporous Silicon: Short and Long Term, In Vitro and In Vivo Correlations of Cellular and Tissue Responses to Mesoporous Silicon Nanovectors (Small 9/10/2013). <i>Small</i> , <b>2013</b> , 9, 1721-1721	11	
32	High capacity nanoporous silicon carrier for systemic delivery of gene silencing therapeutics. <i>ACS Nano</i> , <b>2013</b> , 7, 9867-80	16.7	91
31	The preferential targeting of the diseased microvasculature by disk-like particles. <i>Biomaterials</i> , <b>2012</b> , 33, 5504-13	15.6	119
30	Rapid tumorigenic accumulation of systemically injected plateloid particles and their biodistribution. <i>Journal of Controlled Release</i> , <b>2012</b> , 158, 148-55	11.7	159
29	Mesoporous Silicon-PLGA Composite Microspheres for the Double Controlled Release of Biomolecules for Orthopedic Tissue Engineering. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 282-293	15.6	78
28	In vivo targeting and imaging of tumor vasculature with radiolabeled, antibody-conjugated nanographene. <i>ACS Nano</i> , <b>2012</b> , 6, 2361-70	16.7	279
27	Multifunctional to multistage delivery systems: The evolution of nanoparticles for biomedical applications. <i>Science Bulletin</i> , <b>2012</b> , 57, 3961-3971		42
26	Multiscale Modeling for the Vascular Transport of Nanoparticles <b>2012</b> , 437-459		2
25	Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 4225-4235	15.6	160
24	Cancer Therapy: Cooperative, Nanoparticle-Enabled Thermal Therapy of Breast Cancer (Adv. Healthcare Mater. 1/2012). <i>Advanced Healthcare Materials</i> , <b>2012</b> , 1, 128-128	10.1	3

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19	A multifunctional nanostructured platform for localized sustained release of analgesics and antibiotics. <i>European Journal of Pain Supplements</i> , <b>2011</b> , 5, 423-432		8
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17	Proteomic Analysis of Serum Opsonins Impacting Biodistribution and Cellular Association of Porous Silicon Microparticles. <i>Molecular Imaging</i> , <b>2011</b> , 10, 7290.2011.00008	3.7	17
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14	What does physics have to do with cancer?. <i>Nature Reviews Cancer</i> , <b>2011</b> , 11, 657-70	31.3	143
13	Dissipative particle dynamics simulation of circular and elliptical particles motion in 2D laminar shear flow. <i>Microfluidics and Nanofluidics</i> , <b>2011</b> , 10, 1127-1134	2.8	11
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11	Molecular imaging with nucleic acid aptamers. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 4195-205	4.3	74
10	Proteomic analysis of serum opsonins impacting biodistribution and cellular association of porous silicon microparticles. <i>Molecular Imaging</i> , <b>2011</b> , 10, 43-55	3.7	8
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