

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1882035/shreya-goel-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Principles of nanoparticle design for overcoming biological barriers to drug delivery. <i>Nature Biotechnology</i> , 2015 , 33, 941-51	44.5	3478
165	Nanomedicine--challenge and perspectives. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 872-97	16.4	971
164	Synthetic nanoparticles functionalized with biomimetic leukocyte membranes possess cell-like functions. <i>Nature Nanotechnology</i> , 2013 , 8, 61-8	28.7	736
163	Mesoporous silicon particles as a multistage delivery system for imaging and therapeutic applications. <i>Nature Nanotechnology</i> , 2008 , 3, 151-7	28.7	574
162	XBP1 promotes triple-negative breast cancer by controlling the HIF1 β pathway. <i>Nature</i> , 2014 , 508, 103-107	50.4	512
161	Seven challenges for nanomedicine. <i>Nature Nanotechnology</i> , 2008 , 3, 242-4	28.7	416
160	Iron oxide decorated MoS ₂ nanosheets with double PEGylation for chelator-free radiolabeling and multimodal imaging guided photothermal therapy. <i>ACS Nano</i> , 2015 , 9, 950-60	16.7	406
159	Synthesis and biomedical applications of copper sulfide nanoparticles: from sensors to theranostics. <i>Small</i> , 2014 , 10, 631-45	11	302
158	In vivo targeting and imaging of tumor vasculature with radiolabeled, antibody-conjugated nanographene. <i>ACS Nano</i> , 2012 , 6, 2361-70	16.7	279
157	An injectable nanoparticle generator enhances delivery of cancer therapeutics. <i>Nature Biotechnology</i> , 2016 , 34, 414-8	44.5	220
156	Frontiers in cancer nanomedicine: directing mass transport through biological barriers. <i>Trends in Biotechnology</i> , 2010 , 28, 181-8	15.1	214
155	Shaping nano-/micro-particles for enhanced vascular interaction in laminar flows. <i>Nanotechnology</i> , 2009 , 20, 495101	3.4	188
154	Nanobody: the "magic bullet" for molecular imaging?. <i>Theranostics</i> , 2014 , 4, 386-98	12.1	167
153	Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice. <i>Advanced Functional Materials</i> , 2012 , 22, 4225-4235	15.6	160
152	Rapid tumorigenic accumulation of systemically injected plateloid particles and their biodistribution. <i>Journal of Controlled Release</i> , 2012 , 158, 148-55	11.7	159
151	Point-of-care technologies for molecular diagnostics using a drop of blood. <i>Trends in Biotechnology</i> , 2014 , 32, 132-9	15.1	154
150	Engineering of hollow mesoporous silica nanoparticles for remarkably enhanced tumor active targeting efficacy. <i>Scientific Reports</i> , 2014 , 4, 5080	4.9	150

149	Transport properties of pancreatic cancer describe gemcitabine delivery and response. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1525-36	15.9	144
148	What does physics have to do with cancer?. <i>Nature Reviews Cancer</i> , 2011 , 11, 657-70	31.3	143
147	In Vivo Tumor Vasculature Targeting of CuS@MSN Based Theranostic Nanomedicine. <i>ACS Nano</i> , 2015 , 9, 3926-34	16.7	137
146	The nano-plasma interface: Implications of the protein corona. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 124, 17-24	6	135
145	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. <i>Advanced Materials</i> , 2018 , 30, 1704367	24	129
144	The transport of nanoparticles in blood vessels: the effect of vessel permeability and blood rheology. <i>Annals of Biomedical Engineering</i> , 2008 , 36, 254-61	4.7	125
143	The preferential targeting of the diseased microvasculature by disk-like particles. <i>Biomaterials</i> , 2012 , 33, 5504-13	15.6	119
142	In Vivo Integrity and Biological Fate of Chelator-Free Zirconium-89-Labeled Mesoporous Silica Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 7950-9	16.7	116
141	Positron emission tomography and nanotechnology: A dynamic duo for cancer theranostics. <i>Advanced Drug Delivery Reviews</i> , 2017 , 113, 157-176	18.5	106
140	Cerenkov Radiation Induced Photodynamic Therapy Using Chlorin e6-Loaded Hollow Mesoporous Silica Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 26630-26637	9.5	102
139	Recent advancements in mesoporous silica nanoparticles towards therapeutic applications for cancer. <i>Acta Biomaterialia</i> , 2019 , 89, 1-13	10.8	98
138	VEGF β -conjugated mesoporous silica nanoparticle: a tumor targeted drug delivery system. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21677-85	9.5	95
137	High capacity nanoporous silicon carrier for systemic delivery of gene silencing therapeutics. <i>ACS Nano</i> , 2013 , 7, 9867-80	16.7	91
136	Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy. <i>Biomaterials</i> , 2018 , 165, 56-65	15.6	90
135	Intrinsically radiolabeled nanoparticles: an emerging paradigm. <i>Small</i> , 2014 , 10, 3825-30	11	90
134	Renal-Clearable PEGylated Porphyrin Nanoparticles for Image-guided Photodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2017 , 27, 1702928	15.6	90
133	Harnessing the Power of Nanotechnology for Enhanced Radiation Therapy. <i>ACS Nano</i> , 2017 , 11, 5233-5237	23.7	83
132	Design of bio-mimetic particles with enhanced vascular interaction. <i>Journal of Biomechanics</i> , 2009 , 42, 1885-90	2.9	81

131	Shrinkage of pegylated and non-pegylated liposomes in serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 114, 294-300	6	79
130	Dual-Modality Positron Emission Tomography/Optical Image-Guided Photodynamic Cancer Therapy with Chlorin e6-Containing Nanomicelles. <i>ACS Nano</i> , 2016 , 10, 7721-30	16.7	79
129	In vivo tumor vasculature targeted PET/NIRF imaging with TRC105(Fab)-conjugated, dual-labeled mesoporous silica nanoparticles. <i>Molecular Pharmaceutics</i> , 2014 , 11, 4007-14	5.6	78
128	Mesoporous Silicon-PLGA Composite Microspheres for the Double Controlled Release of Biomolecules for Orthopedic Tissue Engineering. <i>Advanced Functional Materials</i> , 2012 , 22, 282-293	15.6	78
127	Organelle Transplantation: Polymer Functionalization of Isolated Mitochondria for Cellular Transplantation and Metabolic Phenotype Alteration (Adv. Sci. 3/2018). <i>Advanced Science</i> , 2018 , 5, 1870017	13.6	78
126	Lipopolyplex potentiates anti-tumor immunity of mRNA-based vaccination. <i>Biomaterials</i> , 2017 , 125, 81-89	5.6	77
125	Mathematical modeling in cancer nanomedicine: a review. <i>Biomedical Microdevices</i> , 2019 , 21, 40	3.7	75
124	Targeting the thyroid gland with thyroid-stimulating hormone (TSH)-nanoliposomes. <i>Biomaterials</i> , 2014 , 35, 7101-9	15.6	74
123	Molecular imaging with nucleic acid aptamers. <i>Current Medicinal Chemistry</i> , 2011 , 18, 4195-205	4.3	74
122	Hollow mesoporous silica nanoparticles for tumor vasculature targeting and PET image-guided drug delivery. <i>Nanomedicine</i> , 2015 , 10, 1233-46	5.6	71
121	Porous silicon microparticle potentiates anti-tumor immunity by enhancing cross-presentation and inducing type I interferon response. <i>Cell Reports</i> , 2015 , 11, 957-966	10.6	69
120	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> , 2015 , 7, 19438-47	7.7	65
119	Reassembly of Zr-Labeled Cancer Cell Membranes into Multicompartment Membrane-Derived Liposomes for PET-Trackable Tumor-Targeted Theranostics. <i>Advanced Materials</i> , 2018 , 30, e1704934	24	63
118	VEGFR targeting leads to significantly enhanced tumor uptake of nanographene oxide in vivo. <i>Biomaterials</i> , 2015 , 39, 39-46	15.6	61
117	Engineering Intrinsically Zirconium-89 Radiolabeled Self-Destructing Mesoporous Silica Nanostructures for In Vivo Biodistribution and Tumor Targeting Studies. <i>Advanced Science</i> , 2016 , 3, 1600122	13.6	61
116	Contribution of Kupffer cells to liposome accumulation in the liver. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 158, 356-362	6	57
115	Matching the decay half-life with the biological half-life: ImmunoPET imaging with (44)Sc-labeled cetuximab Fab fragment. <i>Bioconjugate Chemistry</i> , 2014 , 25, 2197-204	6.3	57
114	Capillary-wall collagen as a biophysical marker of nanotherapeutic permeability into the tumor microenvironment. <i>Cancer Research</i> , 2014 , 74, 4239-46	10.1	56

113	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2889-2892	16.4	53
112	Dynamic Positron Emission Tomography Imaging of Renal Clearable Gold Nanoparticles. <i>Small</i> , 2016 , 12, 2775-82	11	52
111	Nanomedicine, an emerging therapeutic strategy for oral cancer therapy. <i>Oral Oncology</i> , 2018 , 76, 1-7	4.4	51
110	Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging. <i>Advanced Materials</i> , 2016 , 28, 8524-8530	24	50
109	Tumor vascular permeabilization using localized mild hyperthermia to improve macromolecule transport. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 1487-96	6	50
108	Intrabilayer Cu Labeling of Photoactivatable, Doxorubicin-Loaded Stealth Liposomes. <i>ACS Nano</i> , 2017 , 11, 12482-12491	16.7	50
107	Long circulating reduced graphene oxide-iron oxide nanoparticles for efficient tumor targeting and multimodality imaging. <i>Nanoscale</i> , 2016 , 8, 12683-92	7.7	50
106	Multistage vector (MSV) therapeutics. <i>Journal of Controlled Release</i> , 2015 , 219, 406-415	11.7	46
105	Theory and Experimental Validation of a Spatio-temporal Model of Chemotherapy Transport to Enhance Tumor Cell Kill. <i>PLoS Computational Biology</i> , 2016 , 12, e1004969	5	46
104	Bone marrow endothelium-targeted therapeutics for metastatic breast cancer. <i>Journal of Controlled Release</i> , 2014 , 187, 22-9	11.7	45
103	Hierarchically-Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation. <i>Advanced Functional Materials</i> , 2014 , 24, 4584-4594	15.6	44
102	Near-Infrared Imaging Method for the In Vivo Assessment of the Biodistribution of Nanoporous Silicon Particles. <i>Molecular Imaging</i> , 2011 , 10, 7290.2011.00011	3.7	44
101	Chondroitin Sulfate Immobilized on a Biomimetic Scaffold Modulates Inflammation While Driving Chondrogenesis. <i>Stem Cells Translational Medicine</i> , 2016 , 5, 670-82	6.9	43
100	Multifunctional to multistage delivery systems: The evolution of nanoparticles for biomedical applications. <i>Science Bulletin</i> , 2012 , 57, 3961-3971		42
99	Redirecting Transport of Nanoparticle Albumin-Bound Paclitaxel to Macrophages Enhances Therapeutic Efficacy against Liver Metastases. <i>Cancer Research</i> , 2016 , 76, 429-39	10.1	40
98	Chelator-Free Labeling of Layered Double Hydroxide Nanoparticles for in Vivo PET Imaging. <i>Scientific Reports</i> , 2015 , 5, 16930	4.9	39
97	Enhanced performance of macrophage-encapsulated nanoparticle albumin-bound-paclitaxel in hypo-perfused cancer lesions. <i>Nanoscale</i> , 2016 , 8, 12544-52	7.7	38
96	A Novel DNA Aptamer for Dual Targeting of Polymorphonuclear Myeloid-derived Suppressor Cells and Tumor Cells. <i>Theranostics</i> , 2018 , 8, 31-44	12.1	36

95	ImmunoPET and near-infrared fluorescence imaging of CD105 expression using a monoclonal antibody dual-labeled with (89)Zr and IRDye 800CW. <i>American Journal of Translational Research (discontinued)</i> , 2012 , 4, 333-46	3	35
94	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6772-6781	9.5	34
93	Radiolabeled, Antibody-Conjugated Manganese Oxide Nanoparticles for Tumor Vasculature Targeted Positron Emission Tomography and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38304-38312	9.5	34
92	Enzyme-responsive multistage vector for drug delivery to tumor tissue. <i>Pharmacological Research</i> , 2016 , 113, 92-99	10.2	34
91	Chloroquine and nanoparticle drug delivery: A promising combination. <i>Pharmacology & Therapeutics</i> , 2018 , 191, 43-49	13.9	33
90	Multi-composite bioactive osteogenic sponges featuring mesenchymal stem cells, platelet-rich plasma, nanoporous silicon enclosures, and Peptide amphiphiles for rapid bone regeneration. <i>Journal of Functional Biomaterials</i> , 2011 , 2, 39-66	4.8	33
89	A highly hemocompatible erythrocyte membrane-coated ultrasmall selenium nanosystem for simultaneous cancer radiosensitization and precise antiangiogenesis. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 4756-4764	7.3	33
88	Taking the vehicle out of drug delivery. <i>Materials Today</i> , 2017 , 20, 95-97	21.8	32
87	Polymer Nanoparticles Encased in a Cyclodextrin Complex Shell for Potential Site- and Sequence-Specific Drug Release. <i>Advanced Functional Materials</i> , 2014 , 24, 4753-4761	15.6	32
86	Emerging nanotherapeutic strategies in breast cancer. <i>Breast</i> , 2014 , 23, 10-8	3.6	32
85	Intrinsic radiolabeling of Titanium-45 using mesoporous silica nanoparticles. <i>Acta Pharmacologica Sinica</i> , 2017 , 38, 907-913	8	31
84	Label-Free Isothermal Amplification Assay for Specific and Highly Sensitive Colorimetric miRNA Detection. <i>ACS Omega</i> , 2016 , 1, 448-455	3.9	31
83	PET Imaging of Abdominal Aortic Aneurysm with ⁶⁴ Cu-Labeled Anti-CD105 Antibody Fab Fragment. <i>Journal of Nuclear Medicine</i> , 2015 , 56, 927-32	8.9	30
82	Geometrical confinement of Gd(DOTA) molecules within mesoporous silicon nanoconstructs for MR imaging of cancer. <i>Cancer Letters</i> , 2014 , 352, 97-101	9.9	30
81	USNCTAM perspectives on mechanics in medicine. <i>Journal of the Royal Society Interface</i> , 2014 , 11, 20140401	4.1	28
80	Chelator-Free Labeling of Metal Oxide Nanostructures with Zirconium-89 for Positron Emission Tomography Imaging. <i>ACS Nano</i> , 2017 , 11, 12193-12201	16.7	27
79	Facile Preparation of Multifunctional WS /WO Nanodots for Chelator-Free Zr-Labeling and In Vivo PET Imaging. <i>Small</i> , 2016 , 12, 5750-5758	11	27
78	Radiolabeled polyoxometalate clusters: Kidney dysfunction evaluation and tumor diagnosis by positron emission tomography imaging. <i>Biomaterials</i> , 2018 , 171, 144-152	15.6	26

77	Transport Barriers and Oncophysics in Cancer Treatment. <i>Trends in Cancer</i> , 2018 , 4, 277-280	12.5	26
76	ImmunoPET and Near-Infrared Fluorescence Imaging of Pancreatic Cancer with a Dual-Labeled Bispecific Antibody Fragment. <i>Molecular Pharmaceutics</i> , 2017 , 14, 1646-1655	5.6	25
75	Radiolabeled inorganic nanoparticles for positron emission tomography imaging of cancer: an overview. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2017 , 61, 181-204	1.4	25
74	Liposomal doxorubicin extravasation controlled by phenotype-specific transport properties of tumor microenvironment and vascular barrier. <i>Journal of Controlled Release</i> , 2015 , 217, 293-9	11.7	24
73	Nanotechnology for mesenchymal stem cell therapies. <i>Journal of Controlled Release</i> , 2016 , 240, 242-250	11.7	24
72	Enhancing cancer immunotherapy through nanotechnology-mediated tumor infiltration and activation of immune cells. <i>Seminars in Immunology</i> , 2017 , 34, 114-122	10.7	23
71	A tumor-targeted polymer theranostics platform for positron emission tomography and fluorescence imaging. <i>Nanoscale</i> , 2017 , 9, 10906-10918	7.7	23
70	Tumor lysing genetically engineered T cells loaded with multi-modal imaging agents. <i>Scientific Reports</i> , 2014 , 4, 4502	4.9	23
69	Rapamycin nanoparticles localize in diseased lung vasculature and prevent pulmonary arterial hypertension. <i>International Journal of Pharmaceutics</i> , 2017 , 524, 257-267	6.5	22
68	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. <i>Small</i> , 2019 , 15, e1903747	11	22
67	Porous silicon microparticles for delivery of siRNA therapeutics. <i>Journal of Visualized Experiments</i> , 2015 , 52075	1.6	22
66	Nanomedicine: Ushering in a new era of pain management. <i>European Journal of Pain Supplements</i> , 2011 , 5, 317-322		22
65	In Vivo Tumor-Targeted Dual-Modality PET/Optical Imaging with a Yolk/Shell-Structured Silica Nanosystem. <i>Nano-Micro Letters</i> , 2018 , 10, 65	19.5	21
64	General synthesis of silica-based yolk/shell hybrid nanomaterials and tumor vasculature targeting. <i>Nano Research</i> , 2018 , 11, 4890-4904	10	21
63	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> , 2017 , 268, 92-101	11.7	19
62	Intrinsically Zirconium-89-Labeled Manganese Oxide Nanoparticles for Dual-Modality Positron Emission Tomography and Magnetic Resonance Imaging. <i>Journal of Biomedical Nanotechnology</i> , 2018 , 14, 900-909	4	19
61	Bacteriophage Associated Silicon Particles: Design and Characterization of a Novel Theranostic Vector with Improved Payload Carrying Potential. <i>Journal of Materials Chemistry B</i> , 2013 , 1,	7.3	18
60	Image-guided mathematical modeling for pharmacological evaluation of nanomaterials and monoclonal antibodies. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2020 , 12, e1628	9.2	17

59	Proteomic Analysis of Serum Opsonins Impacting Biodistribution and Cellular Association of Porous Silicon Microparticles. <i>Molecular Imaging</i> , 2011 , 10, 7290.2011.00008	3.7	17
58	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> , 2016 , 7, 2041731416661196	7.5	16
57	Targeting angiogenesis for radioimmunotherapy with a Lu-labeled antibody. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018 , 45, 123-131	8.8	15
56	Saturation pressure relationships for two- and three-phase flow analogies for soft matter. <i>Mechanics Research Communications</i> , 2014 , 62, 132-137	2.2	15
55	Nanotechnology and Immunotherapy in Ovarian Cancer: Tracing New Landscapes. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 370, 636-646	4.7	14
54	Nanopore film based enrichment and quantification of low abundance hepcidin from human bodily fluids. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 879-88	6	14
53	Nanoparticles administered intrapericardially enhance payload myocardial distribution and retention. <i>Journal of Controlled Release</i> , 2017 , 262, 18-27	11.7	13
52	Gemcitabine enhances the transport of nanovector-albumin-bound paclitaxel in gemcitabine-resistant pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , 2017 , 403, 296-304	9.9	13
51	Human equilibrative nucleoside transporter-1 knockdown tunes cellular mechanics through epithelial-mesenchymal transition in pancreatic cancer cells. <i>PLoS ONE</i> , 2014 , 9, e107973	3.7	12
50	Alterations of the Plasma Peptidome Profiling in Colorectal Cancer Progression. <i>Journal of Cellular Physiology</i> , 2016 , 231, 915-25	7	12
49	Native and Reconstituted Plasma Lipoproteins in Nanomedicine: Physicochemical Determinants of Nanoparticle Structure, Stability, and Metabolism. <i>Methodist DeBakey Cardiovascular Journal</i> , 2016 , 12, 146-150	2.1	12
48	Surfactant-Stripped Pheophytin Micelles for Multimodal Tumor Imaging and Photodynamic Therapy. <i>ACS Applied Bio Materials</i> , 2019 , 2, 544-554	4.1	12
47	Sequential deconstruction of composite drug transport in metastatic breast cancer. <i>Science Advances</i> , 2020 , 6, eaba4498	14.3	11
46	Dissipative particle dynamics simulation of circular and elliptical particles motion in 2D laminar shear flow. <i>Microfluidics and Nanofluidics</i> , 2011 , 10, 1127-1134	2.8	11
45	Transient mild hyperthermia induces E-selectin mediated localization of mesoporous silicon vectors in solid tumors. <i>PLoS ONE</i> , 2014 , 9, e86489	3.7	11
44	Circulating peptidome to indicate the tumor-resident proteolysis. <i>Scientific Reports</i> , 2015 , 5, 9327	4.9	10
43	Molecular targeting of FATP4 transporter for oral delivery of therapeutic peptide. <i>Science Advances</i> , 2020 , 6, eaba0145	14.3	10
42	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. <i>Angewandte Chemie</i> , 2017 , 129, 2935-2938	3.6	9

41	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> , 2018 , 19,	6.3	9
40	Intratumoral injection of hydrogel-embedded nanoparticles enhances retention in glioblastoma. <i>Nanoscale</i> , 2020 , 12, 23838-23850	7.7	9
39	Scaling and crossovers in molecular transport in nano-fluidic systems. <i>Applied Physics Letters</i> , 2013 , 103, 113104	3.4	8
38	A multifunctional nanostructured platform for localized sustained release of analgesics and antibiotics. <i>European Journal of Pain Supplements</i> , 2011 , 5, 423-432		8
37	Proteomic analysis of serum opsonins impacting biodistribution and cellular association of porous silicon microparticles. <i>Molecular Imaging</i> , 2011 , 10, 43-55	3.7	8
36	Systematic comparison of methods for determining the in vivo biodistribution of porous nanostructured injectable inorganic particles. <i>Acta Biomaterialia</i> , 2019 , 97, 501-512	10.8	7
35	Cellular communication via nanoparticle-transporting biovesicles. <i>Nanomedicine</i> , 2014 , 9, 581-592	5.6	7
34	Properties and Applications of Electrically Small Folded Ellipsoidal Helix Antenna. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2012 , 11, 678-681	3.8	7
33	Ultrasmall Porous Silica Nanoparticles with Enhanced Pharmacokinetics for Cancer Theranostics. <i>Nano Letters</i> , 2021 , 21, 4692-4699	11.5	7
32	Co-sputtered Antibacterial and Biocompatible Nanocomposite Titania-Zinc Oxide thin films on Si substrates for Dental Implant applications. <i>Materials Technology</i> , 2019 , 34, 32-42	2.1	7
31	Tumor Site-Dependent Transport Properties Determine Nanotherapeutics Delivery and Its Efficacy. <i>Translational Oncology</i> , 2019 , 12, 1196-1205	4.9	6
30	Drug Delivery: Discoidal Porous Silicon Particles: Fabrication and Biodistribution in Breast Cancer Bearing Mice (Adv. Funct. Mater. 20/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 4186-4186	15.6	6
29	Immunotherapeutic Transport Oncophysics: Space, Time, and Immune Activation in Cancer. <i>Trends in Cancer</i> , 2020 , 6, 40-48	12.5	6
28	Moving Beyond the Pillars of Cancer Treatment: Perspectives From Nanotechnology. <i>Frontiers in Chemistry</i> , 2020 , 8, 598100	5	6
27	A pyruvate decarboxylase-mediated therapeutic strategy for mimicking yeast metabolism in cancer cells. <i>Pharmacological Research</i> , 2016 , 111, 413-421	10.2	6
26	Nanoparticles for Cancer Detection and Therapy 2010 , 51		5
25	study of enhanced photodynamic cancer cell killing effect by nanometer-thick gold nanosheets. <i>Nano Research</i> , 2020 , 13, 3217-3223	10	5
24	Auger electron-based targeted radioimmunotherapy with ⁵⁸ mCo, a feasibility study 2016 ,		5

23	A modeling platform for the lymphatic system. <i>Journal of Theoretical Biology</i> , 2020 , 493, 110193	2.3	4
22	Intrinsically Zr-labeled GdOS:Eu nanophosphors with high stability for dual-modality imaging. <i>American Journal of Translational Research (discontinued)</i> , 2016 , 8, 5591-5600	3	4
21	Cancer Therapy: Cooperative, Nanoparticle-Enabled Thermal Therapy of Breast Cancer (Adv. Healthcare Mater. 1/2012). <i>Advanced Healthcare Materials</i> , 2012 , 1, 128-128	10.1	3
20	Vulnerable Atherosclerotic Plaque Imaging by Small-Molecule High-Affinity Positron Emission Tomography Radiopharmaceutical. <i>Advanced Therapeutics</i> , 2019 , 2, 1900005	4.9	2
19	Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity. <i>Angewandte Chemie</i> , 2019 , 131, 5326-5330	3.6	2
18	Multiscale Modeling for the Vascular Transport of Nanoparticles 2012 , 437-459		2
17	Novel Multistage Nanoparticle Drug Delivery to Ablate Leukemia Stem Cells in Their Niche.. <i>Blood</i> , 2012 , 120, 2631-2631	2.2	2
16	Exogenous Radionanomedicine: Inorganic Nanomaterials 2018 , 13-47		2
15	Highlights from the latest articles in nano-oncology. <i>Nanomedicine</i> , 2015 , 10, 897-8	5.6	1
14	Molecular Imaging: Intrinsically Radiolabeled Nanoparticles: An Emerging Paradigm (Small 19/2014). <i>Small</i> , 2014 , 10, 3824-3824	11	1
13	Early prediction of clinical response to checkpoint inhibitor therapy in human solid tumors through mathematical modeling. <i>ELife</i> , 2021 , 10,	8.9	1
12	Emerging Lipid-Coated Silica Nanoparticles for Cancer Therapy. <i>Nanotechnology in the Life Sciences</i> , 2021 , 335-361	1.1	1
11	Innentitelbild: Single-Molecule Force Measurement Guides the Design of Multivalent Ligands with Picomolar Affinity (Angew. Chem. 16/2019). <i>Angewandte Chemie</i> , 2019 , 131, 5192-5192	3.6	
10	Highlights from the latest articles in nanomedicine for deep tumor imaging and phototherapy. <i>Nanomedicine</i> , 2015 , 10, 1681-3	5.6	
9	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> , 2014 , 24, 4868-4868	15.6	
8	Magnetic Nanoparticles: Hierarchically Structured Magnetic Nanoconstructs with Enhanced Relaxivity and Cooperative Tumor Accumulation (Adv. Funct. Mater. 29/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 4562-4562	15.6	
7	Mesoporous Silicon: Short and Long Term, In Vitro and In Vivo Correlations of Cellular and Tissue Responses to Mesoporous Silicon Nanovectors (Small 9/2013). <i>Small</i> , 2013 , 9, 1721-1721	11	
6	Site-Specific Drug Delivery: E-Selectin-Targeted Porous Silicon Particle for Nanoparticle Delivery to the Bone Marrow (Adv. Mater. 36/2011). <i>Advanced Materials</i> , 2011 , 23, H284-H284	24	

5	Reply to Comment on Osmotic Pressure beyond Concentration Restrictions <i>Journal of Physical Chemistry B</i> , 2008 , 112, 15943-15943	3.4
4	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> , 2020 , 6, eabc9572	14.3
3	Nanomedicine Activities in the United States and Worldwide 2016 , 21-50	
2	Multimodal Imaging: Surfactant-Stripped Frozen Pheophytin Micelles for Multimodal Gut Imaging (Adv. Mater. 38/2016). <i>Advanced Materials</i> , 2016 , 28, 8554-8554	24
1	Surface Engineering and Multimodal Imaging of Multistage Delivery Vectors in Metastatic Breast Cancer. <i>Bio-protocol</i> , 2021 , 11, e4030	0.9