

Bryan Smith

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

4,805
citations

304743

22
h-index

233421

45
g-index

50
all docs

50
docs citations

50
times ranked

8023
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon nanotubes as photoacoustic molecular imaging agents in living mice. <i>Nature Nanotechnology</i> , 2008, 3, 557-562.	31.5	1,215
2	Nanomaterials for In Vivo Imaging. <i>Chemical Reviews</i> , 2017, 117, 901-986.	47.7	879
3	Multiplexed imaging of surface enhanced Raman scattering nanotags in living mice using noninvasive Raman spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13511-13516.	7.1	656
4	Selective uptake of single-walled carbon nanotubes by circulating monocytes for enhanced tumour delivery. <i>Nature Nanotechnology</i> , 2014, 9, 481-487.	31.5	216
5	Real-Time Intravital Imaging of RGD-Quantum Dot Binding to Luminal Endothelium in Mouse Tumor Neovasculature. <i>Nano Letters</i> , 2008, 8, 2599-2606.	9.1	207
6	Shape Matters: Intravital Microscopy Reveals Surprising Geometrical Dependence for Nanoparticles in Tumor Models of Extravasation. <i>Nano Letters</i> , 2012, 12, 3369-3377.	9.1	189
7	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. <i>Nature Nanotechnology</i> , 2020, 15, 154-161.	31.5	173
8	Self-assembled peptide and protein nanostructures for anti-cancer therapy: Targeted delivery, stimuli-responsive devices and immunotherapy. <i>Nano Today</i> , 2021, 38, 101119.	11.9	135
9	Non-spherical micro- and nanoparticles in nanomedicine. <i>Materials Horizons</i> , 2019, 6, 1094-1121.	12.2	120
10	Functional and Transcriptional Characterization of Human Embryonic Stem Cell-Derived Endothelial Cells for Treatment of Myocardial Infarction. <i>PLoS ONE</i> , 2009, 4, e8443.	2.5	100
11	Localization to atherosclerotic plaque and biodistribution of biochemically derivatized superparamagnetic iron oxide nanoparticles (SPIONs) contrast particles for magnetic resonance imaging (MRI). <i>Biomedical Microdevices</i> , 2007, 9, 719-727.	2.8	97
12	Quantitative Drug Release Monitoring in Tumors of Living Subjects by Magnetic Particle Imaging Nanocomposite. <i>Nano Letters</i> , 2019, 19, 6725-6733.	9.1	93
13	Fluorescent Magnetic Nanoparticles for Magnetically Enhanced Cancer Imaging and Targeting in Living Subjects. <i>ACS Nano</i> , 2012, 6, 6862-6869.	14.6	79
14	High-resolution, serial intravital microscopic imaging of nanoparticle delivery and targeting in a small animal tumor model. <i>Nano Today</i> , 2013, 8, 126-137.	11.9	53
15	Dynamic Visualization of RGD-Quantum Dot Binding to Tumor Neovasculature and Extravasation in Multiple Living Mouse Models Using Intravital Microscopy. <i>Small</i> , 2010, 6, 2222-2229.	10.0	49
16	Reduction Triggered In Situ Polymerization in Living Mice. <i>Journal of the American Chemical Society</i> , 2020, 142, 15575-15584.	13.7	42
17	The Molecular Analysis of Breast Cancer Utilizing Targeted Nanoparticle Based Ultrasound Contrast Agents. <i>Technology in Cancer Research and Treatment</i> , 2005, 4, 627-636.	1.9	36
18	An Integrated Computational/Experimental Model of Lymphoma Growth. <i>PLoS Computational Biology</i> , 2013, 9, e1003008.	3.2	36

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19	Osmotic Pressures for Binary Solutions of Non-electrolytes. <i>Biomedical Microdevices</i> , 2002, 4, 309-321.	2.8	28
20	Gum polysaccharide/nanometal hybrid biocomposites in cancer diagnosis and therapy. <i>Biotechnology Advances</i> , 2021, 48, 107711.	11.7	26
21	A Comparison Between Time Domain and Spectral Imaging Systems for Imaging Quantum Dots in Small Living Animals. <i>Molecular Imaging and Biology</i> , 2010, 12, 500-508.	2.6	25
22	Nanotherapeutic Shots through the Heart of Plaque. <i>ACS Nano</i> , 2020, 14, 1236-1242.	14.6	24
23	Ultrasensitive Carbon Nanotubes for Photoacoustic Imaging of Inflamed Atherosclerotic Plaques. <i>Advanced Functional Materials</i> , 2021, 31, 2101005.	14.9	24
24	Predictive Modeling of Drug Response in Non-Hodgkin's Lymphoma. <i>PLoS ONE</i> , 2015, 10, e0129433.	2.5	24
25	Remodeling of Endogenous Mammary Epithelium by Breast Cancer Stem Cells. <i>Stem Cells</i> , 2012, 30, 2114-2127.	3.2	22
26	Nano-immunoimaging. <i>Nanoscale Horizons</i> , 2020, 5, 628-653.	8.0	22
27	The pleiotropic benefits of statins include the ability to reduce CD47 and amplify the effect of pro-efferocytic therapies in atherosclerosis. , 2022, 1, 253-262.		22
28	Unexpected Dissemination Patterns in Lymphoma Progression Revealed by Serial Imaging within a Murine Lymph Node. <i>Cancer Research</i> , 2012, 72, 6111-6118.	0.9	21
29	Particle tracking microrheology of cancer cells in living subjects. <i>Materials Today</i> , 2020, 39, 98-109.	14.2	20
30	Extravasation of Brownian Spheroidal Nanoparticles through Vascular Pores. <i>Biophysical Journal</i> , 2018, 115, 1103-1115.	0.5	19
31	Cancer Immunotherapy Getting Brainy: Visualizing the Distinctive CNS Metastatic Niche to Illuminate Therapeutic Resistance. <i>Drug Resistance Updates</i> , 2017, 33-35, 23-35.	14.4	16
32	Macrophage-targeted single walled carbon nanotubes stimulate phagocytosis via pH-dependent drug release. <i>Nano Research</i> , 2021, 14, 762-769.	10.4	16
33	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. <i>Applied Materials Today</i> , 2021, 24, 101107.	4.3	16
34	Nanoparticulate Iron Oxide Contrast Agents for Untargeted and Targeted Cardiovascular Magnetic Resonance Imaging. <i>Current Nanoscience</i> , 2009, 5, 88-102.	1.2	15
35	Optical Microscopy and Coherence Tomography of Cancer in Living Subjects. <i>Trends in Cancer</i> , 2020, 6, 205-222.	7.4	14
36	Nanotherapeutics for cardiovascular disease. <i>Nature Reviews Cardiology</i> , 2021, 18, 617-618.	13.7	12

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37	Assessing delivery and quantifying efficacy of small interfering ribonucleic acid therapeutics in the skin using a dual-axis confocal microscope. <i>Journal of Biomedical Optics</i> , 2010, 15, 036027.	2.6	11
38	Molecular Immune Targeted Imaging of Tumor Microenvironment. <i>Nanotheranostics</i> , 2022, 6, 286-305.	5.2	11
39	¹⁸ F-Fluorodeoxyglucose-Positron Emission Tomography Imaging Detects Response to Therapeutic Intervention and Plaque Vulnerability in a Murine Model of Advanced Atherosclerotic Disease—Brief Report. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2821-2828.	2.4	10
40	High-Density Lipoprotein Nanoparticle Imaging in Atherosclerotic Vascular Disease. <i>JACC Basic To Translational Science</i> , 2017, 2, 98-100.	4.1	7
41	Nanoparticles decorated with granulocyte-colony stimulating factor for targeting myeloid cells. <i>Nanoscale</i> , 2020, 12, 2752-2763.	5.6	6
42	Photoacoustic molecular imaging using single walled carbon nanotubes in living mice. , 2009, , .		4
43	Nanodevices in Biomedical Applications. , 2006, , 363-398.		4
44	A Biological Perspective of Particulate Nanoporous Silicon. <i>Materials Technology</i> , 2004, 19, 16-20.	3.0	3
45	Nanomaterials to target immunity. <i>Advances in Pharmacology</i> , 2021, 91, 293-335.	2.0	3
46	Ultrasensitive Carbon Nanotubes for Photoacoustic Imaging of Inflamed Atherosclerotic Plaques (<i>Adv. Funct. Mater.</i> 37/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170271.	14.9	2
47	Real-time visualization of RGD-quantum dot binding in tumor neovasculature using intravital microscopy in multiple living mouse models. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
48	Quantum dots: Dynamic Visualization of RGD-Quantum Dot Binding to Tumor Neovasculature and Extravasation in Multiple Living Mouse Models Using Intravital Microscopy (<i>Small</i> 20/2010). <i>Small</i> , 2010, 6, n/a-n/a.	10.0	0