

Abhijit De

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

5,463
citations

126708

33
h-index

82410

72
g-index

102
all docs

102
docs citations

102
times ranked

9159
citing authors

#	ARTICLE	IF	CITATIONS
1	IGF1R- α 6 integrin-S100A4 network governs the organ-specific metastasis of chemoresistant epithelial ovarian cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166282.	1.8	4
2	NANOTORRIDÂ®: Graphene-like properties of a gold/polypropylene nanocomposite and its photothermal application. <i>Journal of Materials Research</i> , 2022, 37, 1183-1200.	1.2	1
3	Smart releasing CuS/ZnS nanocomposite dual drug carrier and photothermal agent for use as a theranostic tool for cancer therapy. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 70, 103252.	1.4	5
4	Multimodal Applications of Zinc Gallate-Based Persistent Luminescent Nanoparticles in Cancer Treatment: Tumor Margining, Diagnosis, and Boron Neutron Capture Therapy. <i>ACS Applied Bio Materials</i> , 2022, 5, 3134-3145.	2.3	4
5	Direct knockdown of phospho-PTM targets mediated by TRIM21 can improve personalized treatment in breast cancer. <i>Cellular Oncology (Dordrecht)</i> , 2022, 45, 873-891.	2.1	4
6	Intravitreal galactose conjugated polymeric nanoparticles of etoposide for retinoblastoma. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102259.	1.4	12
7	pH-responsive delivery of anti-metastatic niclosamide using mussel inspired polydopamine nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120278.	2.6	7
8	Raman micro-spectroscopic map estimating in vivo precision of tumor ablative effect achieved by photothermal therapy procedure. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 37, 102437.	1.7	1
9	Predicting response to platinum and non-platinum drugs through bioluminescence resonance energy transfer (BRET) based bio-molecular interactions in platinum resistant epithelial ovarian cancer. <i>Translational Oncology</i> , 2021, 14, 101193.	1.7	1
10	pH-(Low)-Insertion Peptide-Assisted Detection and Diagnosis of Cancer Using Zinc Gallate-Based Persistent Luminescence Nanoparticles. <i>ACS Applied Bio Materials</i> , 2021, 4, 742-751.	2.3	5
11	Noncanonical pS727 post translational modification dictates major STAT3 activation and downstream functions in breast cancer. <i>Experimental Cell Research</i> , 2020, 396, 112313.	1.2	7
12	FOXAI Regulation Turns Benzamide HDACi Treatment Effect-Specific in BC, Promoting NIS Gene-Mediated Targeted Radioiodine Therapy. <i>Molecular Therapy - Oncolytics</i> , 2020, 19, 93-104.	2.0	5
13	BF ₂ -Oxasmaragdyrin Nanoparticles: A Non-toxic, Photostable, Enhanced Non-radiative Decay-Assisted Efficient Photothermal Cancer Theragnostic Agent. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52329-52342.	4.0	16
14	Characteristics of Molecularly Engineered Anticancer Drug Conjugated Organic Nanomicelles for Site-Selective Cancer Cell Rupture and Growth Inhibition of Tumor Spheroids. <i>ACS Applied Bio Materials</i> , 2020, 3, 7067-7079.	2.3	4
15	Bioinspired carrier-free peptide conjugated BF ₂ -oxasmaragdyrin dye-based nano self-assemblies: a photostable NIR cancer theragnostic agent. <i>NPG Asia Materials</i> , 2020, 12, .	3.8	6
16	<i>In Silico</i> Identification of Potential Phosphorylation in the Cytoplasmic Domain of Epithelial Cell Adhesion Molecule. <i>ACS Omega</i> , 2020, 5, 30808-30816.	1.6	2
17	Preclinical evaluation of multi stimuli responsive core-plasmonic nanoshell for photo-triggered tumor ablation: A disintegrable nanohybrid. <i>Applied Materials Today</i> , 2020, 20, 100684.	2.3	5
18	Noninvasive Preclinical Evaluation of Targeted Nanoparticles for the Delivery of Curcumin in Treating Pancreatic Cancer. <i>ACS Applied Bio Materials</i> , 2020, 3, 4643-4654.	2.3	25

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19	Decoding molecular interplay between RUNX1 and FOXO3a underlying the pulsatile IGF1R expression during acquirement of chemoresistance. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165754.	1.8	13
20	EpCAM-Mediated Cellular Plasticity Promotes Radiation Resistance and Metastasis in Breast Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 597673.	1.8	13
21	Mannose glycosylation is an integral step for human NIS localization and function in breast cancer cells. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	7
22	Comprehensive Evaluation of Degradable and Cost-Effective Plasmonic Nanoshells for Localized Photothermalysis of Cancer Cells. <i>Langmuir</i> , 2019, 35, 7805-7815.	1.6	22
23	Targeting stem cells in the realm of drug-resistant breast cancer. <i>Breast Cancer: Targets and Therapy</i> , 2019, Volume 11, 115-135.	1.0	33
24	Dynamic monitoring of STAT3 activation in live cells using a novel STAT3 Phospho-BRET sensor. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 9, 321-334.	1.0	2
25	Glycol chitosan assisted in situ reduction of gold on polymeric template for anti-cancer theranostics. <i>International Journal of Biological Macromolecules</i> , 2018, 110, 392-398.	3.6	15
26	Facile synthesis of plasmonic zein nanoshells for imaging-guided photothermal cancer therapy. <i>Materials Science and Engineering C</i> , 2018, 90, 539-548.	3.8	28
27	Î±-Actinin-4 confers radioresistance coupled invasiveness in breast cancer cells through AKT pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 196-208.	1.9	23
28	Soft drug-resistant ovarian cancer cells migrate via two distinct mechanisms utilizing myosin II-based contractility. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 392-405.	1.9	22
29	Enhanced EPR directed and Imaging guided Photothermal Therapy using Vitamin E Modified Toco-Photoxil. <i>Scientific Reports</i> , 2018, 8, 16673.	1.6	18
30	Plasmonic carbon nano hybrids for repetitive and highly localized photothermal cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 172, 430-439.	2.5	15
31	Newly emerging mesoporous strontium hydroxyapatite nanorods: microwave synthesis and relevance as doxorubicin nanocarrier. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	0.8	8
32	Reporter-Based BRET Sensors for Measuring Biological Functions In Vivo. <i>Methods in Molecular Biology</i> , 2018, 1790, 51-74.	0.4	6
33	Tumor suppressor protein p53 exerts negative transcriptional regulation on human sodium iodide symporter gene expression in breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 164, 603-615.	1.1	23
34	NIR light-triggered shrinkable thermoresponsive PNVCL nanoshells for cancer theranostics. <i>RSC Advances</i> , 2017, 7, 44026-44034.	1.7	20
35	Near Infrared Fluorescence Imaging in Nano-Therapeutics and Photo-Thermal Evaluation. <i>International Journal of Molecular Sciences</i> , 2017, 18, 924.	1.8	40
36	The Î³-Secretase Protease Complexes in Neurodegeneration, Cancer and Immunity. , 2017, , 47-87.		2

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37	Approaching non-canonical STAT3 signaling to redefine cancer therapeutic strategy. Integrative Molecular Medicine, 2017, 4, .	0.3	7
38	Enhancement of human sodium iodide symporter gene therapy for breast cancer by HDAC inhibitor mediated transcriptional modulation. Scientific Reports, 2016, 6, 19341.	1.6	18
39	Surfactant free novel one-minute microwave synthesis, characterization and cell toxicity study of mesoporous strontium hydroxyapatite nanorods. RSC Advances, 2016, 6, 94921-94926.	1.7	13
40	An active IGF-1R-AKT signaling imparts functional heterogeneity in ovarian CSC population. Scientific Reports, 2016, 6, 36612.	1.6	30
41	Use of BRET to Study Protein-Protein Interactions In Vitro and In Vivo. Methods in Molecular Biology, 2016, 1443, 57-78.	0.4	24
42	Regression of experimental NIS-expressing breast cancer brain metastases in response to radioiodide/gemcitabine dual therapy. Oncotarget, 2016, 7, 54811-54824.	0.8	8
43	Combined 2-deoxy glucose and metformin improves therapeutic efficacy of sodium-iodide symporter-mediated targeted radioiodine therapy in breast cancer cells. Breast Cancer: Targets and Therapy, 2015, 7, 251.	1.0	12
44	Application of Adult Stem Cells in Medicine. Stem Cells International, 2015, 2015, 1-2.	1.2	5
45	In Vivo Analysis of Biodegradable Liposome Gold Nanoparticles as Efficient Agents for Photothermal Therapy of Cancer. Nano Letters, 2015, 15, 842-848.	4.5	338
46	Mono-guanidine heterolipid based SMEDDS: A promising tool for cytosolic delivery of antineoplastics. Biomaterials, 2015, 57, 116-132.	5.7	14
47	Nuclear matrix-associated protein SMAR1 regulates alternative splicing via HDAC6-mediated deacetylation of Sam68. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E3374-83.	3.3	43
48	Cancer gene therapy: Prospects of using human sodium iodide symporter gene in non-thyroidal cancer. Biomedical Research Journal, 2015, 2, 198.	0.4	2
49	Image Guidance in Stem Cell Therapeutics: Unfolding the Blindfold. Current Drug Targets, 2015, 16, 658-671.	1.0	0
50	Applications of lentiviral vectors in molecular imaging. Frontiers in Bioscience - Landmark, 2014, 19, 835.	3.0	4
51	Dietary curcumin post-treatment enhances the disappearance of B(a)P-derived DNA adducts in mouse liver and lungs. Toxicology Reports, 2014, 1, 1181-1194.	1.6	12
52	Multifunctional gold coated thermo-sensitive liposomes for multimodal imaging and photo-thermal therapy of breast cancer cells. Nanoscale, 2014, 6, 916-923.	2.8	133
53	Inhibition of Epithelial to Mesenchymal Transition by E-cadherin Up-regulation via Repression of Slug Transcription and Inhibition of E-cadherin Degradation. Journal of Biological Chemistry, 2014, 289, 25431-25444.	1.6	86
54	Engineering Aspects of Bioluminescence Resonance Energy Transfer Systems. , 2014, , 257-300.		4

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55	IHC Profiler: An Open Source Plugin for the Quantitative Evaluation and Automated Scoring of Immunohistochemistry Images of Human Tissue Samples. PLoS ONE, 2014, 9, e96801.	1.1	937
56	Long chain lipid based tamoxifen NLC. Part II: Pharmacokinetic, biodistribution and in vitro anticancer efficacy studies. International Journal of Pharmaceutics, 2013, 454, 584-592.	2.6	66
57	Evolution of BRET Biosensors from Live Cell to Tissue-Scale In vivo Imaging. Frontiers in Endocrinology, 2013, 4, 131.	1.5	48
58	Quantitative Immunohistochemical Analysis Reveals Association between Sodium Iodide Symporter and Estrogen Receptor Expression in Breast Cancer. PLoS ONE, 2013, 8, e54055.	1.1	54
59	Optical Imaging with Her2-Targeted Affibody Molecules Can Monitor Hsp90 Treatment Response in a Breast Cancer Xenograft Mouse Model. Clinical Cancer Research, 2012, 18, 1073-1081.	3.2	24
60	Reporter Gene Imaging in Therapy and Diagnosis. Theranostics, 2012, 2, 333-334.	4.6	13
61	Bioluminescence based in vivo screening technologies. Current Opinion in Pharmacology, 2012, 12, 592-600.	1.7	53
62	An Inhibitor of Nonhomologous End-Joining Abrogates Double-Strand Break Repair and Impedes Cancer Progression. Cell, 2012, 151, 1474-1487.	13.5	322
63	Bioluminescence resonance energy transfer (BRET) imaging of protein-protein interactions within deep tissues of living subjects. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12060-12065.	3.3	163
64	The New Era of Bioluminescence Resonance Energy Transfer Technology. Current Pharmaceutical Biotechnology, 2011, 12, 558-568.	0.9	20
65	Clinical applications of aptamers and nucleic acid therapeutics in haematological malignancies. British Journal of Haematology, 2011, 155, 3-13.	1.2	30
66	Endothelial Cells Derived From Human iPSCs Increase Capillary Density and Improve Perfusion in a Mouse Model of Peripheral Arterial Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, e72-9.	1.1	230
67	Structural and Optical Investigations of Radiation Damage in Transparent PET Polymer Films. International Journal of Spectroscopy, 2011, 2011, 1-7.	1.4	86
68	Synthesis and study of electroactive nanoparticles and their polymer composites for novel applications. Indian Journal of Physics, 2010, 84, 1413-1419.	0.9	8
69	⁶⁴ Cu-Labeled Affibody Molecules for Imaging of HER2 Expressing Tumors. Molecular Imaging and Biology, 2010, 12, 316-324.	1.3	54
70	Dynamic Visualization of RGD-Quantum Dot Binding to Tumor Neovasculature and Extravasation in Multiple Living Mouse Models Using Intravital Microscopy. Small, 2010, 6, 2222-2229.	5.2	49
71	Quantum dots: Dynamic Visualization of RGD-Quantum Dot Binding to Tumor Neovasculature and Extravasation in Multiple Living Mouse Models Using Intravital Microscopy (Small 20/2010). Small, 2010, 6, n/a-n/a.	5.2	0
72	Structural Characterization of Orthorhombic and Rhombohedral Lead Meta-Niobate Samples. Integrated Ferroelectrics, 2010, 120, 102-113.	0.3	24

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73	Biodistribution of Neural Stem Cells After Intravascular Therapy for Hypoxic Ischemia. <i>Stroke</i> , 2010, 41, 2064-2070.	1.0	154
74	Embryonic Stem Cell-Derived Endothelial Cells Engraft Into the Ischemic Hindlimb and Restore Perfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 984-991.	1.1	126
75	Abstract 477: Evaluation of tumor uptake and retention in a mouse model of breast cancer brain metastases by I-124 positron emission tomography (PET) imaging. , 2010, , .		0
76	BRET3: a red-shifted bioluminescence resonance energy transfer (BRET)-based integrated platform for imaging protein-protein interactions from single live cells and living animals. <i>FASEB Journal</i> , 2009, 23, 2702-2709.	0.2	98
77	Trafficking Mesenchymal Stem Cell Engraftment and Differentiation in Tumor-Bearing Mice by Bioluminescence Imaging. <i>Stem Cells</i> , 2009, 27, 1548-1558.	1.4	206
78	A Novel Method for Direct Site-Specific Radiolabeling of Peptides Using [¹⁸ F]FDG. <i>Bioconjugate Chemistry</i> , 2009, 20, 432-436.	1.8	81
79	Embryonic Stem Cell-Derived Endothelial Cells for Treatment of Hindlimb Ischemia. <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	15
80	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
81	Direct Site-Specific Radiolabeling of an Affibody Protein with 4-[¹⁸ F]Fluorobenzaldehyde via Oxime Chemistry. <i>Molecular Imaging and Biology</i> , 2008, 10, 177-181.	1.3	49
82	Real-Time Intravital Imaging of RGD-Quantum Dot Binding to Luminal Endothelium in Mouse Tumor Neovasculature. <i>Nano Letters</i> , 2008, 8, 2599-2606.	4.5	207
83	Monitoring Caspase-3 Activation with a Multimodality Imaging Sensor in Living Subjects. <i>Clinical Cancer Research</i> , 2008, 14, 5801-5809.	3.2	65
84	Small-Animal PET Imaging of Human Epidermal Growth Factor Receptor Type 2 Expression with Site-Specific ¹⁸ F-Labeled Protein Scaffold Molecules. <i>Journal of Nuclear Medicine</i> , 2008, 49, 804-813.	2.8	102
85	Applications of Lentiviral Vectors in Noninvasive Molecular Imaging. <i>Methods in Molecular Biology</i> , 2008, 433, 177-202.	0.4	9
86	An Improved Bioluminescence Resonance Energy Transfer Strategy for Imaging Intracellular Events in Single Cells and Living Subjects. <i>Cancer Research</i> , 2007, 67, 7175-7183.	0.4	108
87	Bisdeoxycoelenterazine Derivatives for Improvement of Bioluminescence Resonance Energy Transfer Assays. <i>Journal of the American Chemical Society</i> , 2007, 129, 11900-11901.	6.6	44
88	Reporter gene imaging of protein-protein interactions in living subjects. <i>Current Opinion in Biotechnology</i> , 2007, 18, 31-37.	3.3	81
89	Split Luciferase Complementation Assay for Studying Interaction of Proteins X and Y in Living Mice. <i>Cold Spring Harbor Protocols</i> , 2006, 2006, pdb.prot4595-pdb.prot4595.	0.2	4
90	Split Luciferase Complementation Assay for Studying Interaction of Proteins X and Y in Cells. <i>Cold Spring Harbor Protocols</i> , 2006, 2006, pdb.prot4596-pdb.prot4596.	0.2	2

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91	Bioluminescent Monitoring of NIS-Mediated ¹³¹ I Ablative Effects in MCF-7 Xenografts. <i>Molecular Imaging</i> , 2006, 5, 7290.2006.00008.	0.7	4
92	Bioluminescent monitoring of NIS-mediated (¹³¹ I) ablative effects in MCF-7 xenografts. <i>Molecular Imaging</i> , 2006, 5, 76-84.	0.7	3
93	Bioluminescent Imaging of Melanoma in Live Mice. <i>Journal of Investigative Dermatology</i> , 2005, 125, 159-165.	0.3	48
94	Noninvasive imaging of protein-protein interactions from live cells and living subjects using bioluminescence resonance energy transfer. <i>FASEB Journal</i> , 2005, 19, 2017-2019.	0.2	98
95	Imaging Tri-Fusion Multimodality Reporter Gene Expression in Living Subjects. <i>Cancer Research</i> , 2004, 64, 1323-1330.	0.4	339
96	Noninvasive imaging of lentiviral-mediated reporter gene expression in living mice. <i>Molecular Therapy</i> , 2003, 7, 681-691.	3.7	111
97	Treatment of metastatic melanoma with an orally available inhibitor of the Ras-Raf-MAPK cascade. <i>Cancer Research</i> , 2003, 63, 5669-73.	0.4	109
98	Ferroelectric Materials for High Temperature Piezoelectric Applications. <i>Solid State Phenomena</i> , 0, 232, 235-278.	0.3	41