

# Rajkumar Banerjee

## List of Publications by Citations

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78  
papers

5,672  
citations

24  
h-index

75  
g-index

87  
ext. papers

6,474  
ext. citations

6.3  
avg, IF

4.58  
L-index

#	Paper	IF	Citations
78	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , <b>2016</b> , 12, 1-222	10.2	3838
77	Anisamide-targeted stealth liposomes: a potent carrier for targeting doxorubicin to human prostate cancer cells. <i>International Journal of Cancer</i> , <b>2004</b> , 112, 693-700	7.5	206
76	Engineered reversal of drug resistance in cancer cells--metastases suppressor factors as change agents. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 764-73	20.1	143
75	The tuberculosis drug streptomycin as a potential cancer therapeutic: inhibition of miR-21 function by directly targeting its precursor. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1019-23	16.4	131
74	Green Synthesis and Characterization of Monodispersed Gold Nanoparticles: Toxicity Study, Delivery of Doxorubicin and Its Bio-Distribution in Mouse Model. <i>Journal of Biomedical Nanotechnology</i> , <b>2016</b> , 12, 165-81	4	92
73	Novel series of non-glycerol-based cationic transfection lipids for use in liposomal gene delivery. <i>Journal of Medicinal Chemistry</i> , <b>1999</b> , 42, 4292-9	8.3	89
72	Design, synthesis, and transfection biology of novel cationic glycolipids for use in liposomal gene delivery. <i>Journal of Medicinal Chemistry</i> , <b>2001</b> , 44, 4176-85	8.3	71
71	Lipid-protamine-DNA-mediated antigen delivery to antigen-presenting cells results in enhanced anti-tumor immune responses. <i>Molecular Therapy</i> , <b>2003</b> , 7, 640-8	11.7	62
70	Synthetic heterovalent inhibitors targeting recognition E3 components of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 100-5	11.5	59
69	17Beta-estradiol-associated stealth-liposomal delivery of anticancer gene to breast cancer cells. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6723-7	16.4	52
68	Cancer cell-selective promoter recognition accompanies antitumor effect by glucocorticoid receptor-targeted gold nanoparticle. <i>Nanoscale</i> , <b>2014</b> , 6, 6745-54	7.7	47
67	Haloperidol-associated stealth liposomes: a potent carrier for delivering genes to human breast cancer cells. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 15619-27	5.4	47
66	Lipid nanocarriers of a lipid-conjugated estrogenic derivative inhibit tumor growth and enhance cisplatin activity against triple-negative breast cancer: pharmacokinetic and efficacy evaluation. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1105-20	5.6	46
65	Anchor dependency for non-glycerol based cationic lipofectins: mixed bag of regular and anomalous transfection profiles. <i>Chemistry - A European Journal</i> , <b>2002</b> , 8, 900-9	4.8	46
64	Polyketide Quinones Are Alternate Intermediate Electron Carriers during Mycobacterial Respiration in Oxygen-Deficient Niches. <i>Molecular Cell</i> , <b>2015</b> , 60, 637-50	17.6	35
63	Cationic lipid-conjugated dexamethasone as a selective antitumor agent. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 83, 433-47	6.8	33
62	A lipid-modified estrogen derivative that treats breast cancer independent of estrogen receptor expression through simultaneous induction of autophagy and apoptosis. <i>Molecular Cancer Research</i> , <b>2011</b> , 9, 364-74	6.6	33

61	Development of Liposomal Formulation for Delivering Anticancer Drug to Breast Cancer Stem-Cell-Like Cells and its Pharmacokinetics in an Animal Model. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 1081-8	5.6	32
60	Non-metastatic 2 (NME2)-mediated suppression of lung cancer metastasis involves transcriptional regulation of key cell adhesion factor vinculin. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, 11589-600	20.1	29
59	Selective cancer targeting via aberrant behavior of cancer cell-associated glucocorticoid receptor. <i>Molecular Therapy</i> , <b>2009</b> , 17, 623-31	11.7	28
58	Multivalency-assisted control of intracellular signaling pathways: application for ubiquitin-dependent N-end rule pathway. <i>Chemistry and Biology</i> , <b>2009</b> , 16, 121-31		27
57	Glucocorticoid receptor-mediated delivery of nano gold-witthaferin conjugates for reversal of epithelial-to-mesenchymal transition and tumor regression. <i>Nanomedicine</i> , <b>2016</b> , 11, 2529-46	5.6	24
56	Structure-activity study to develop cationic lipid-conjugated haloperidol derivatives as a new class of anticancer therapeutics. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 2378-90	8.3	24
55	Combination of cationic dexamethasone derivative and STAT3 inhibitor (WP1066) for aggressive melanoma: a strategy for repurposing a phase I clinical trial drug. <i>Molecular and Cellular Biochemistry</i> , <b>2017</b> , 436, 119-136	4.2	22
54	Synthesis of 4,6-disubstituted pyrazolo[3,4-d]pyrimidine analogues: Cyclin-dependent kinase 2 (CDK2) inhibition, molecular docking and anticancer evaluation. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1176, 538-551	3.4	22
53	Hsp90-targeted miRNA-liposomal formulation for systemic antitumor effect. <i>Biomaterials</i> , <b>2013</b> , 34, 6804-17	15.6	20
52	Intravesical antisense therapy for cystitis using TAT-peptide nucleic acid conjugates. <i>Molecular Pharmaceutics</i> , <b>2006</b> , 3, 398-406	5.6	20
51	Phenazine-1-carboxamide functionalized mesoporous silica nanoparticles as antimicrobial coatings on silicone urethral catheters. <i>Scientific Reports</i> , <b>2019</b> , 9, 6198	4.9	18
50	Bis-arylidene oxindole-betulinic Acid conjugate: a fluorescent cancer cell detector with potent anticancer activity. <i>ACS Medicinal Chemistry Letters</i> , <b>2015</b> , 6, 612-6	4.3	18
49	Amphetamine decorated cationic lipid nanoparticles cross the blood-brain barrier: therapeutic promise for combating glioblastoma. <i>Journal of Materials Chemistry B</i> , <b>2020</b> , 8, 4318-4330	7.3	17
48	Cationic folate-mediated liposomal delivery of bis-arylidene oxindole induces efficient melanoma tumor regression. <i>Biomaterials Science</i> , <b>2017</b> , 5, 1898-1909	7.4	17
47	Tocopherol-ascorbic acid hybrid antioxidant based cationic amphiphile for gene delivery: Design, synthesis and transfection. <i>Bioorganic Chemistry</i> , <b>2019</b> , 82, 178-191	5.1	17
46	Bis-arylidene oxindoles as anti-breast-cancer agents acting via the estrogen receptor. <i>ChemMedChem</i> , <b>2014</b> , 9, 727-32	3.7	15
45	Development of new estradiol-cationic lipid hybrids: ten-carbon twin chain cationic lipid is a more suitable partner for estradiol to elicit better anticancer activity. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 86, 653-63	6.8	15
44	Green Transfection: Cationic Lipid Nanocarrier System Derivatized from Vegetable Fat, Palmstearin Enhances Nucleic Acid Transfections. <i>ACS Omega</i> , <b>2017</b> , 2, 7892-7903	3.9	14

43	Asymmetric cationic lipid based non-viral vectors for an efficient nucleic acid delivery. <i>RSC Advances</i> , <b>2016</b> , 6, 77841-77848	3.7	14
42	Cationic lipid-conjugated hydrocortisone as selective antitumor agent. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 108, 309-321	6.8	13
41	Glucocorticoid Receptor-Targeted Liposomal Codelivery of Lipophilic Drug and Anti-Hsp90 Gene: Strategy to Induce Drug-Sensitivity, EMT-Reversal, and Reduced Malignancy in Aggressive Tumors. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 2507-23	5.6	13
40	Tocopherol-based cationic amphiphiles with a novel pH sensitive hybrid linker for gene delivery. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 2932-2946	3.9	12
39	Dual targeting of folate receptor-expressing glioma tumor-associated macrophages and epithelial cells in the brain using a carbon nanosphere-cationic folate nanoconjugate. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 3555-3567	5.1	12
38	Towards the diastereoselective synthesis of derivative of 11Epi-brevipolide H. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 1793-803	3.9	12
37	Development and characterization of monomeric N-end rule inhibitors through in vitro model substrates. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 2540-6	8.3	11
36	17Estradiol-linked nitro-L-arginine as simultaneous inducer of apoptosis in melanoma and tumor-angiogenic vascular endothelial cells. <i>Molecular Pharmaceutics</i> , <b>2011</b> , 8, 350-9	5.6	11
35	Heteropoly acid catalyzed synthesis of 8-methyl-2-aryl/alkyl-3-oxabicyclo[3.3.1]non-7-ene derivatives through (3,5)-oxonium-ene reaction. <i>Tetrahedron Letters</i> , <b>2013</b> , 54, 7160-7163	2	10
34	Combating Glioblastoma by Codelivering the Small-Molecule Inhibitor of STAT3 and STAT3siRNA with $\alpha 5 \beta 1$ Integrin Receptor-Selective Liposomes. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 1859-1874	5.6	9
33	N-end rule pathway inhibition assists colon tumor regression via necroptosis. <i>Molecular Therapy - Oncolytics</i> , <b>2016</b> , 3, 16020	6.4	9
32	Characterization of mammalian N-degrons and development of heterovalent inhibitors of the N-end rule pathway. <i>Chemical Science</i> , <b>2013</b> , 4, 3339	9.4	9
31	Design and Evaluation of PEGylated Liposomal Formulation of a Novel Multikinase Inhibitor for Enhanced Chemosensitivity and Inhibition of Metastatic Pancreatic Ductal Adenocarcinoma. <i>Bioconjugate Chemistry</i> , <b>2019</b> , 30, 2703-2713	6.3	8
30	The Tuberculosis Drug Streptomycin as a Potential Cancer Therapeutic: Inhibition of miR-21 Function by Directly Targeting Its Precursor. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1043-1047	3.6	8
29	Interfacial indazolization: novel chemical evidence for remarkably high exo-surface pH of cationic liposomes used in gene transfection. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>1998</b> , 1373, 299-308	3.8	7
28	17Estradiol-Associated Stealth-Liposomal Delivery of Anticancer Gene to Breast Cancer Cells. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 6881-6885	3.6	7
27	Methoxy-enriched cationic stilbenes as anticancer therapeutics. <i>Bioorganic Chemistry</i> , <b>2020</b> , 98, 103719	5.1	6
26	Exploring membrane permeability of Tomatidine to enhance lipid mediated nucleic acid transfections. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2019</b> , 1861, 327-334	3.8	6

25	Efficient anti-tumor nano-lipoplexes with unsaturated or saturated lipid induce differential genotoxic effects in mice. <i>Nanotoxicology</i> , <b>2019</b> , 13, 1161-1175	5.3	6
24	Oestrogen receptor-mediated liposomal drug delivery for treating melanoma. <i>Journal of Drug Targeting</i> , <b>2018</b> , 26, 481-493	5.4	4
23	Mineralocorticoid receptor mediated liposomal delivery system for targeted induction of apoptosis in cancer cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2016</b> , 1858, 415-21	3.8	4
22	NGRKC16-lipo peptide assisted liposomal-witthaferin delivery for efficient killing of CD13 receptor-expressing pancreatic cancer and angiogenic endothelial cells. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 58, 101798	4.5	3
21	Data for stable formulation of steroid hormone receptor-targeted liposomes for cancer therapeutics. <i>Data in Brief</i> , <b>2016</b> , 7, 428-31	1.2	3
20	N-end rule pathway inhibitor sensitizes cancer cells to antineoplastic agents by regulating XIAP and RAD21 protein expression. <i>Journal of Cellular Biochemistry</i> , <b>2020</b> , 121, 804-815	4.7	3
19	Targeting steroid hormone receptors for anti-cancer therapy-A review on small molecules and nanotherapeutic approaches. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , <b>2021</b> , e1755	9.2	3
18	Novel tumor-targeted liposomes comprised of an MDM2 antagonist plus proteasome inhibitor display anti-tumor activity in a xenograft model of bortezomib-resistant Waldenstrom macroglobulinemia. <i>Leukemia and Lymphoma</i> , <b>2020</b> , 61, 2399-2408	1.9	2
17	Stereoselective Synthesis and Biological Studies of the C2 and C3 Epimer and the Enantiomer of Pachastrissamine (Jaspine B). <i>Synthesis</i> , <b>2010</b> , 2010, 115-119	2.9	2
16	Enhancing the anticancer effect of paclitaxel by using polymeric nanoparticles decorated with colorectal cancer targeting CPKSNNGVC-peptide. <i>Journal of Drug Delivery Science and Technology</i> , <b>2022</b> , 68, 103125	4.5	2
15	Mitoapocynin, a mitochondria targeted derivative of apocynin induces mitochondrial ROS generation and apoptosis in multiple cell types including cardiac myoblasts: a potential constraint to its therapeutic use. <i>Molecular and Cellular Biochemistry</i> , <b>2021</b> , 476, 2047-2059	4.2	2
14	Glucocorticoid receptor-targeted liposomal delivery system for delivering small molecule ESC8 and anti-miR-Hsp90 gene construct to combat colon cancer. <i>Biomedical Materials (Bristol)</i> , <b>2021</b> , 16, 024105	3.5	2
13	Evaluation of the genotoxicity of liposomal formulation for delivering anticancer estrogenic derivative (ESC8) in a mouse model. <i>Saudi Pharmaceutical Journal</i> , <b>2019</b> , 27, 637-642	4.4	1
12	Functional genomics of lung cancer progression reveals mechanism of metastasis suppressor function. <i>Molecular Cytogenetics</i> , <b>2014</b> , 7, 19	2	1
11	Plasmid DNA Mediated Gene Therapy <b>2003</b> , 641-667		1
10	Self-Assembling Derivative of Hydrocortisone as Glucocorticoid Receptor-Targeted Nanotherapeutics for Synergistic, Combination Therapy against Colorectal Tumor. <i>Molecular Pharmaceutics</i> , <b>2021</b> , 18, 1208-1228	5.6	1
9	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , <b>2021</b> , 16, 641-656	5.6	1
8	The prospects of nanotherapeutic approaches for targeting tumor-associated macrophages in oral cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2021</b> , 34, 102371	6	1

7	Quantification of lipid modified estrogenic derivative (ESC8) in rat plasma by LC-MS: application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , <b>2016</b> , 30, 2024-2030	1.7	1
6	Small Molecule Mediated Simultaneous Induction of Apoptosis and Autophagy <b>2017</b> , 269-290		0
5	Gene Therapy Against HSP90: Glucocorticoid Receptor-Assisted Cancer Treatment. <i>Heat Shock Proteins</i> , <b>2015</b> , 219-256	0.2	
4	Scaffold-Based Selective ROS Generation as Viable Therapeutic Strategies Against Cancer <b>2021</b> , 1-19		
3	Scaffold-Based Selective ROS Generation as Viable Therapeutic Strategies Against Cancer <b>2022</b> , 197-215		
2	Design and Synthesis of Shikimoylated-Polypeptides for Nuclear Specific Internalization.. <i>ACS Macro Letters</i> , <b>2022</b> , 11, 289-295	6.6	
1	A functional and self-assembling octyl-phosphonium-tagged esculetin as an effective siRNA delivery agent. <i>Chemical Communications</i> , <b>2021</b> , 57, 12329-12332	5.8	