

Rajkumar Banerjee

List of Publications by Year in descending order

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77
papers

7,101
citations

186265

28
h-index

69250

77
g-index

87
all docs

87
docs citations

87
times ranked

17471
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Anisamide-targeted stealth liposomes: A potent carrier for targeting doxorubicin to human prostate cancer cells. <i>International Journal of Cancer</i> , 2004, 112, 693-700.	5.1	244
3	Engineered reversal of drug resistance in cancer cells--metastases suppressor factors as change agents. <i>Nucleic Acids Research</i> , 2014, 42, 764-773.	14.5	199
4	The Tuberculosis Drug Streptomycin as a Potential Cancer Therapeutic: Inhibition of miRâ€21 Function by Directly Targeting Its Precursor. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1019-1023.	13.8	154
5	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> , 2016, 12, 165-181.	1.1	124
6	Novel Series of Non-Glycerol-Based Cationic Transfection Lipids for Use in Liposomal Gene Delivery1,â€. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 4292-4299.	6.4	95
7	Design, Synthesis, and Transfection Biology of Novel Cationic Glycolipids for Use in Liposomal Gene Delivery. <i>Journal of Medicinal Chemistry</i> , 2001, 44, 4176-4185.	6.4	74
8	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> , 2008, 105, 100-105.	7.1	70
9	Lipidâ€protamineâ€DNA-mediated antigen delivery to antigen-presenting cells results in enhanced anti-tumor immune responses. <i>Molecular Therapy</i> , 2003, 7, 640-648.	8.2	65
10	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> , 2015, 12, 1105-1120.	4.6	60
11	Haloperidol-associated Stealth Liposomes. <i>Journal of Biological Chemistry</i> , 2005, 280, 15619-15627.	3.4	59
12	17Î²-Estradiol-Associated Stealth-Liposomal Delivery of Anticancer Gene to Breast Cancer Cells. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6723-6727.	13.8	57
13	Polyketide Quinones Are Alternate Intermediate Electron Carriers during Mycobacterial Respiration in Oxygen-Deficient Niches. <i>Molecular Cell</i> , 2015, 60, 637-650.	9.7	53
14	Cancer cell-selective promoter recognition accompanies antitumor effect by glucocorticoid receptor-targeted gold nanoparticle. <i>Nanoscale</i> , 2014, 6, 6745.	5.6	52
15	Anchor Dependency for Non-Glycerol Based Cationic Lipofectins: Mixed Bag of Regular and Anomalous Transfection Profiles. <i>Chemistry - A European Journal</i> , 2002, 8, 900-909.	3.3	48
16	Non-metastatic 2 (NME2)-mediated suppression of lung cancer metastasis involves transcriptional regulation of key cell adhesion factor vinculin. <i>Nucleic Acids Research</i> , 2014, 42, 11589-11600.	14.5	47
17	Cationic lipid-conjugated dexamethasone as a selective antitumor agent. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 433-447.	5.5	41
18	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> , 2011, 9, 364-374.	3.4	40

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19	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> , 2016, 13, 1081-1088.	4.6	38
20	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> , 2019, 1176, 538-551.	3.6	38
21	Phenazine-1-carboxamide functionalized mesoporous silica nanoparticles as antimicrobial coatings on silicone urethral catheters. <i>Scientific Reports</i> , 2019, 9, 6198.	3.3	35
22	Amphetamine decorated cationic lipid nanoparticles cross the blood-brain barrier: therapeutic promise for combating glioblastoma. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4318-4330.	5.8	33
23	Selective Cancer Targeting via Aberrant Behavior of Cancer Cell-associated Glucocorticoid Receptor. <i>Molecular Therapy</i> , 2009, 17, 623-631.	8.2	32
24	Structure-Activity Study To Develop Cationic Lipid-Conjugated Haloperidol Derivatives as a New Class of Anticancer Therapeutics. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 2378-2390.	6.4	32
25	Glucocorticoid receptor-mediated delivery of nano gold-witaferin conjugates for reversal of epithelial-to-mesenchymal transition and tumor regression. <i>Nanomedicine</i> , 2016, 11, 2529-2546.	3.3	31
26	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> , 2017, 436, 119-136.	3.1	30
27	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> , 2019, 1, 3555-3567.	4.6	29
28	Multivalency-Assisted Control of Intracellular Signaling Pathways: Application for Ubiquitin-Dependent N-End Rule Pathway. <i>Chemistry and Biology</i> , 2009, 16, 121-131.	6.0	28
29	Bis-Arylidene Oxindole-Betulinic Acid Conjugate: A Fluorescent Cancer Cell Detector with Potent Anticancer Activity. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 612-616.	2.8	26
30	Combating Glioblastoma by Codelivering the Small-Molecule Inhibitor of STAT3 and STAT3siRNA with β 1 Integrin Receptor-Selective Liposomes. <i>Molecular Pharmaceutics</i> , 2020, 17, 1859-1874.	4.6	26
31	Intravesical Antisense Therapy for Cystitis Using TAT-Peptide Nucleic Acid Conjugates. <i>Molecular Pharmaceutics</i> , 2006, 3, 398-406.	4.6	25
32	Hsp90-targeted miRNA-liposomal formulation for systemic antitumor effect. <i>Biomaterials</i> , 2013, 34, 6804-6817.	11.4	24
33	Cationic folate-mediated liposomal delivery of bis-arylidene oxindole induces efficient melanoma tumor regression. <i>Biomaterials Science</i> , 2017, 5, 1898-1909.	5.4	24
34	Bis-Arylidene Oxindoles as Anti-Breast Cancer Agents Acting via the Estrogen Receptor. <i>ChemMedChem</i> , 2014, 9, 727-732.	3.2	21
35	β -Tocopherol-ascorbic acid hybrid antioxidant based cationic amphiphile for gene delivery: Design, synthesis and transfection. <i>Bioorganic Chemistry</i> , 2019, 82, 178-191.	4.1	21
36	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> , 2014, 86, 653-663.	5.5	20

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37	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> , 2016, 13, 2507-2523.	4.6	20
38	Cationic lipid-conjugated hydrocortisone as selective antitumor agent. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 309-321.	5.5	19
39	Green Transfection: Cationic Lipid Nanocarrier System Derivatized from Vegetable Fat, Palmstearin Enhances Nucleic Acid Transfections. <i>ACS Omega</i> , 2017, 2, 7892-7903.	3.5	19
40	Asymmetric cationic lipid based non-viral vectors for an efficient nucleic acid delivery. <i>RSC Advances</i> , 2016, 6, 77841-77848.	3.6	17
41	Î±-Tocopherol-based cationic amphiphiles with a novel pH sensitive hybrid linker for gene delivery. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2932-2946.	2.8	16
42	Towards the diastereoselective synthesis of derivative of 11â€²-epi-brevipolide H. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1793.	2.8	15
43	Efficient anti-tumor nano-lipoplexes with unsaturated or saturated lipid induce differential genotoxic effects in mice. <i>Nanotoxicology</i> , 2019, 13, 1161-1175.	3.0	14
44	17Î²-Estradiol-Linked Nitro-arginine as Simultaneous Inducer of Apoptosis in Melanoma and Tumor-Angiogenic Vascular Endothelial Cells. <i>Molecular Pharmaceutics</i> , 2011, 8, 350-359.	4.6	13
45	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> , 2013, 54, 7160-7163.	1.4	13
46	Development and Characterization of Monomeric N-End Rule Inhibitors through <i>In Vitro</i> Model Substrates. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2540-2546.	6.4	13
47	N-end rule pathway inhibition assists colon tumor regression via necroptosis. <i>Molecular Therapy - Oncolytics</i> , 2016, 3, 16020.	4.4	13
48	One- and Two-Photon Uncaging of Carbon Monoxide (CO) with Real-Time Monitoring: On-Demand Carbazole-Based Dual CO-Releasing Platform to Test over Single and Combinatorial Approaches for the Efficient Regression of Orthotopic Murine Melanoma <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2022, 65, 1822-1834.	6.4	13
49	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> , 2019, 30, 2703-2713.	3.6	12
50	Methoxy-enriched cationic stilbenes as anticancer therapeutics. <i>Bioorganic Chemistry</i> , 2020, 98, 103719.	4.1	11
51	Characterization of mammalian N-degrons and development of heterovalent inhibitors of the N-end rule pathway. <i>Chemical Science</i> , 2013, 4, 3339.	7.4	10
52	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> , 2021, 16, 024105.	3.3	9
53	Targeting steroid hormone receptors for anti-cancer therapyâ€”A review on small molecules and nanotherapeutic approaches. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2022, 14, e1755.	6.1	9
54	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> , 1998, 1373, 299-308.	2.6	8

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55	Exploring membrane permeability of Tomatidine to enhance lipid mediated nucleic acid transfections. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 327-334.	2.6	8
56	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> , 2021, 476, 2047-2059.	3.1	8
57	Oestrogen receptor-mediated liposomal drug delivery for treating melanoma. <i>Journal of Drug Targeting</i> , 2018, 26, 481-493.	4.4	7
58	Mineralocorticoid receptor mediated liposomal delivery system for targeted induction of apoptosis in cancer cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016, 1858, 415-421.	2.6	6
59	The prospects of nanotherapeutic approaches for targeting tumor-associated macrophages in oral cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 34, 102371.	3.3	6
60	Cholesterol Sequestration from Caveolae/Lipid Rafts Enhances Cationic Liposome-Mediated Nucleic Acid Delivery into Endothelial Cells. <i>Molecules</i> , 2021, 26, 4626.	3.8	6
61	Enhancing the anticancer effect of paclitaxel by using polymeric nanoparticles decorated with colorectal cancer targeting CPKSNGVC-peptide. <i>Journal of Drug Delivery Science and Technology</i> , 2022, 68, 103125.	3.0	6
62	NGRKC16-lipopeptide 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> , 2020, 58, 101798.	3.0	5
63	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> , 2020, 61, 2399-2408.	1.3	5
64	Self-Assembling Derivative of Hydrocortisone as Glucocorticoid Receptor-Targeted Nanotherapeutics for Synergistic, Combination Therapy against Colorectal Tumor. <i>Molecular Pharmaceutics</i> , 2021, 18, 1208-1228.	4.6	5
65	Skin-Permeable Nano-Lithocholic Lipidoid Efficiently Alleviates Psoriasis-like Chronic Skin Inflammations. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 14859-14870.	8.0	5
66	Nucleosome pathway inhibitor sensitizes cancer cells to antineoplastic agents by regulating XIAP and RAD21 protein expression. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 804-815.	2.6	4
67	Enriched pharmacokinetic behavior and antitumor efficacy of thymoquinone by liposomal delivery. <i>Nanomedicine</i> , 2021, 16, 641-656.	3.3	4
68	Data for stable formulation of steroid hormone receptor-targeted liposomes for cancer therapeutics. <i>Data in Brief</i> , 2016, 7, 428-431.	1.0	3
69	Stereoselective Synthesis and Biological Studies of the C2 and C3 Epimer and the Enantiomer of Pachastrissamine (Jaspine B). <i>Synthesis</i> , 2010, 2010, 115-119.	2.3	2
70	A functional and self-assembling octyl-phosphonium-tagged esculetin as an effective siRNA delivery agent. <i>Chemical Communications</i> , 2021, 57, 12329-12332.	4.1	2
71	Functional genomics of lung cancer progression reveals mechanism of metastasis suppressor function. <i>Molecular Cytogenetics</i> , 2014, 7, 19.	0.9	1
72	Quantification of lipid modified estrogenic derivative (ESC8) in rat plasma by LC-MS: application to a pharmacokinetic study. <i>Biomedical Chromatography</i> , 2016, 30, 2024-2030.	1.7	1

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73	Small Molecule-Mediated Simultaneous Induction of Apoptosis and Autophagy. , 2017, , 269-290.		1
74	Evaluation of the in vivo genotoxicity of liposomal formulation for delivering anticancer estrogenic derivative (ESC8) in a mouse model. Saudi Pharmaceutical Journal, 2019, 27, 637-642.	2.7	1
75	Design and Synthesis of Shikimoylated-Polypeptides for Nuclear Specific Internalization. ACS Macro Letters, 2022, 11, 289-295.	4.8	1
76	Gene Therapy Against HSP90: Glucocorticoid Receptor-Assisted Cancer Treatment. Heat Shock Proteins, 2015, , 219-256.	0.2	0
77	Scaffold-Based Selective ROS Generation as Viable Therapeutic Strategies Against Cancer. , 2022, , 197-215.		0