Biswajit Mukherjee

List of Publications by Year
in descending order

92	2,593	186265	214800
papers	citations	28 h-index	47 g-index

94	94	94	3457
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Inhibitory potential of iRGD peptide-conjugated garcinol-loaded biodegradable nanoparticles in rat colorectal carcinoma. Materials Science and Engineering C, 2022, , 112714.	7.3	5
2	Pharmacokinetic Sample Collection and Processing. , 2022, , 175-184.		0
3	Pharmacokinetic Laboratory-Based Experiments. , 2022, , 233-285.		0
4	A comprehensive calibrated phytolith based climatic index from the Himalaya and its application in palaeotemperature reconstruction. Science of the Total Environment, 2021, 750, 142280.	8.0	14
5	Anticancer potential of docetaxel-loaded cobalt ferrite nanocarrier: an inÂvitro study on MCF-7 and MDA-MB-231 cell lines. Journal of Microencapsulation, 2021, 38, 36-46.	2.8	16
6	Development of gum odinaâ€gelatin based antimicrobial loaded biodegradable spongy scaffold: A promising wound care tool. Journal of Applied Polymer Science, 2021, 138, 50057.	2.6	9
7	Apigenin-Loaded PLGA-DMSA Nanoparticles: A Novel Strategy to Treat Melanoma Lung Metastasis. Molecular Pharmaceutics, 2021, 18, 1920-1938.	4.6	21
8	Carnosine improves agingâ€induced cognitive impairment and brain regional neurodegeneration in relation to the neuropathological alterations in the secondary structure of amyloid beta (AÎ²). Journal of Neurochemistry, 2021, 158, 710-723.	3.9	10
9	Antimicrobial loaded gum odina - gelatin based biomimetic spongy scaffold for accelerated wound healing with complete cutaneous texture. International Journal of Pharmaceutics, 2021, 606, 120892.	5.2	6
10	Calorie restriction modulates Neuro-immune system differently in young and aged rats. International Immunopharmacology, 2021, 100, 108141.	3.8	2
11	Educational Motivation and Legislative Approaches for Safe and Effective Hand Washes and Hand Rubs in Hand Health Care During COVID-19 Pandemic. Asia-Pacific Journal of Public Health, 2020, 32, 495-496.	1.0	4
12	Editorial: Advances in Drug Formulation. Frontiers in Pharmacology, 2020, 11, 608771.	3.5	2
13	Transdermal Nanomedicines for Reduction of Dose and Site-Specific Drug Delivery. , 2020, , 175-211.		0
14	Plant-Based Antidiabetic Nanoformulations: The Emerging Paradigm for Effective Therapy. International Journal of Molecular Sciences, 2020, 21, 2217.	4.1	77
15	A Comparative Investigation of the Ability of Various Aptamer-Functionalized Drug Nanocarriers to Induce Selective Apoptosis in Neoplastic Hepatocytes: In Vitro and In Vivo Outcome. AAPS PharmSciTech, 2020, 21, 89.	3.3	13
16	Aptamer-Functionalized Drug Nanocarrier Improves Hepatocellular Carcinoma toward Normal by Targeting Neoplastic Hepatocytes. Molecular Therapy - Nucleic Acids, 2020, 20, 34-49.	5.1	36
17	Calorie restriction improves aging-induced impairment of cognitive function in relation to deregulation of corticosterone status and brain regional GABA system. Mechanisms of Ageing and Development, 2020, 189, 111248.	4.6	14
18	Bioactive Flavonoid Apigenin and Its Nanoformulations: A Promising Hope for Diabetes and Cancer. , 2020, , 367-382.		4

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19	Development and Characterization of Triple Action-Dental Mold. Current Research in Dentistry, 2020, 2, 60-69.	1.0	0
20	Conventional and Nonconventional Approaches to Site-Specific Targeting of Nanotherapeutics in Some Infectious Diseases and Metabolic Disorders. , 2020, , 111-132.		0
21	Recent Trends for Nanomedicine Safety. , 2020, , 469-509.		0
22	Nanoencapsulated betulinic acid analogue distinctively improves colorectal carcinoma in vitro and in vivo. Scientific Reports, 2019, 9, 11506.	3.3	33
23	Garcinol-loaded novel cationic nanoliposomes: in vitro and in vivo study against B16F10 melanoma tumor model. Nanomedicine, 2019, 14, 2045-2065.	3.3	11
24	CD-340 functionalized doxorubicin-loaded nanoparticle induces apoptosis and reduces tumor volume along with drug-related cardiotoxicity in mice . International Journal of Nanomedicine, 2019, Volume 14, 8073-8094.	6.7	27
25	Therapeutic potential of andrographolide-loaded nanoparticles on a murine asthma model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102006.	3.3	25
26	Engineered polymeric iron oxide nanoparticles as potential drug carrier for targeted delivery of docetaxel to breast cancer cells. Journal of Magnetism and Magnetic Materials, 2019, 485, 165-173.	2.3	64
27	Chitosan-coated nanoparticles enhanced lung pharmacokinetic profile of voriconazole upon pulmonary delivery in mice. Nanomedicine, 2018, 13, 501-520.	3.3	53
28	Methotrexate Aspasomes Against Rheumatoid Arthritis: Optimized Hydrogel Loaded Liposomal Formulation with In Vivo Evaluation in Wistar Rats. AAPS PharmSciTech, 2018, 19, 1320-1336.	3.3	49
29	Preferential hepatic uptake of paclitaxel-loaded poly-(d-l-lactide-co-glycolide) nanoparticles â€" A possibility for hepatic drug targeting: Pharmacokinetics and biodistribution. International Journal of Biological Macromolecules, 2018, 112, 818-830.	7.5	31
30	Lipid-based nanocarrier efficiently delivers highly water soluble drug across the bloodâ€"brain barrier into brain. Drug Delivery, 2018, 25, 504-516.	5.7	22
31	Peripheral nerve targeting by procaine-conjugated ribavirin-loaded dual drug nanovesicle. Nanomedicine, 2018, 13, 3009-3023.	3.3	4
32	Aptamer-Conjugated Apigenin Nanoparticles To Target Colorectal Carcinoma: A Promising Safe Alternative of Colorectal Cancer Chemotherapy. ACS Applied Bio Materials, 2018, 1, 1538-1556.	4.6	38
33	Apigenin loaded nanoparticle delayed development of hepatocellular carcinoma in rats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1905-1917.	3.3	77
34	Early Stage HIV Management and Reduction of Stavudine-Induced Hepatotoxicity in Rats by Experimentally Developed Biodegradable Nanoparticles. AAPS PharmSciTech, 2017, 18, 697-709.	3.3	12
35	Successful delivery of docetaxel to rat brain using experimentally developed nanoliposome: a treatment strategy for brain tumor. Drug Delivery, 2017, 24, 346-357.	5.7	49
36	Pulmonary Administration of Biodegradable Drug Nanocarriers for More Efficacious Treatment of Fungal Infections in Lungs: Insights Based on Recent Findings. , 2017, , 261-280.		0

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37	Pharmacokinetic and Pharmacodynamic Modulations of Therapeutically Active Constituents From Orally Administered Nanocarriers Along With a Glimpse of Their Advantages and Limitations. , 2017, , 357-375.		6
38	Multifunctional drug nanocarriers facilitate more specific entry of therapeutic payload into tumors and control multiple drug resistance in cancer. , 2016, , 203-251.		9
39	Epididymal protein ASF is a d-galactose-specific lectin with apoptotic effect on human breast cancer cell line MCF7. International Journal of Biological Macromolecules, 2016, 84, 208-220.	7.5	1
40	Lipid nanocarrier-based transport of docetaxel across the blood brain barrier. RSC Advances, 2016, 6, 85261-85274.	3.6	23
41	Toxicological Concerns of Engineered Nanosize Drug Delivery Systems. American Journal of Therapeutics, 2016, 23, e139-e150.	0.9	23
42	Can grass phytoliths and indices be relied on during vegetation and climate interpretations in the eastern Himalayas? Studies from Darjeeling and Arunachal Pradesh, India. Quaternary Science Reviews, 2016, 134, 114-132.	3.0	36
43	Improved Skin Penetration Using In Situ Nanoparticulate Diclofenac Diethylamine in Hydrogel Systems: In Vitro and In Vivo Studies. AAPS PharmSciTech, 2016, 17, 307-317.	3.3	15
44	Variation of Pharmacokinetic Profiles of Some Antidiabetic Drugs from Nanostructured Formulations Administered Through Pulmonary Route. Current Drug Metabolism, 2016, 17, 271-278.	1.2	2
45	Development of Linker-Conjugated Nanosize Lipid Vesicles: A Strategy for Cell Selective Treatment in Breast Cancer. Current Cancer Drug Targets, 2016, 16, 357-372.	1.6	21
46	Role of forwardâ€motilityâ€stimulating factor as an extracellular activator of soluble adenylyl cyclase. Molecular Reproduction and Development, 2015, 82, 1001-1014.	2.0	8
47	Pulmonary Delivery of Voriconazole Loaded Nanoparticles Providing a Prolonged Drug Level in Lungs: A Promise for Treating Fungal Infection. Molecular Pharmaceutics, 2015, 12, 2651-2664.	4.6	57
48	Nanoscale Formulations and Diagnostics With Their Recent Trends: A Major Focus of Future Nanotechnology. Current Pharmaceutical Design, 2015, 21, 5172-5186.	1.9	3
49	Size Dependent Variations of Phospholipid Based Vesicular Drug Carriers in Systemic Drug Activity. Current Pharmaceutical Biotechnology, 2015, 16, 380-391.	1.6	12
50	Is Type 2 Diabetes Mellitus a Predisposal Cause for Developing Hepatocellular Carcinoma?. Current Diabetes Reviews, 2015, 11, 64-70.	1.3	11
51	Editorial (Thematic Issue: â€œNanosize Drug Delivery Systemâ€). Current Pharmaceutical Biotechnology, 2014, 14, 1221-1221.	1.6	40
52	Antisense oligonucleotides directed against insulin-like growth factor-II messenger ribonucleic acids delay the progress of rat hepatocarcinogenesis. Journal of Carcinogenesis, 2014, 13, 2.	2.5	6
53	Preparation and characterization of Tamoxifen citrate loaded nanoparticles for breast cancer therapy. International Journal of Nanomedicine, 2014, 9, 3107.	6.7	55
54	Peptides, Proteins and Peptide/Protein-Polymer Conjugates as Drug Delivery System. Protein and Peptide Letters, 2014, 21, 1121-1128.	0.9	13

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55	Potentials of Polymeric Nanoparticle as Drug Carrier for Cancer Therapy: With a Special Reference to Pharmacokinetic Parameters. Current Drug Metabolism, 2014, 15, 565-580.	1.2	9
56	Potentials and Challenges of Active Targeting at the Tumor Cells by Engineered Polymeric Nanoparticles. Current Pharmaceutical Biotechnology, 2014, 14, 1250-1263.	1.6	23
57	Pressure-sensitive mucoadhesive polymer-based dental patches to treat periodontal diseases: anin vitrostudy. Drug Delivery, 2013, 20, 258-267.	5.7	9
58	Formulation development andin vitroevaluation of solidified self-microemulsion in the form of tablet containing atorvastatin calcium. Drug Development and Industrial Pharmacy, 2013, 39, 1742-1749.	2.0	5
59	Poly-lactide-co-glycolide nanoparticles containing voriconazole for pulmonary delivery: in vitro and in vivo study. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 94-104.	3.3	74
60	Obesity and Insulin Resistance: An Abridged Molecular Correlation. Lipid Insights, 2013, 6, LPI.S10805.	1.0	34
61	EFFECT OF STREPTOZOTOCIN-INDUCED HYPERGLYCEMIA ON THE PROGRESSION OF HEPATOCARCINOGENESIS IN RATS. American Journal of Pharmacology and Toxicology, 2013, 8, 170-178.	0.7	2
62	Submicron-size biodegradable polymer-based didanosine particles for treating HIV at early stage: anin vitrostudy. Journal of Microencapsulation, 2012, 29, 666-676.	2.8	28
63	Development of an inhalation chamber and a dry powder inhaler device for administration of pulmonary medication in animal model. Drug Development and Industrial Pharmacy, 2012, 38, 171-179.	2.0	29
64	Colloidal gold-loaded, biodegradable, polymer-based stavudine nanoparticle uptake by macrophages: an in vitro study. International Journal of Nanomedicine, 2012, 7, 6049.	6.7	25
65	Gum odina: a novel matrix forming material for sustained drug delivery. Oriental Pharmacy and Experimental Medicine, 2011, 11, 131-136.	1.2	12
66	Optimization of In - vitro Permeation Pattern of Ketorolac Tromethamine Transdermal Patches. Iranian Journal of Pharmaceutical Research, 2011, 10, 193-201.	0.5	8
67	Doxorubicin-loaded phosphatidylethanolamine-conjugated nanoliposomes: in vitro characterization and their accumulation in liver, kidneys, and lungs in rats. International Journal of Nanomedicine, 2010, 5, 811.	6.7	48
68	Development of biodegradable polymer based tamoxifen citrate loaded nanoparticles and effect of some manufacturing process parameters on them: a physicochemical and in-vitro evaluation. International Journal of Nanomedicine, 2010, 5, 621.	6.7	49
69	Lactide-glycolide polymers as nano-dimensional carriers for drugs. International Journal of Biomedical Nanoscience and Nanotechnology, 2010, 1, 230.	0.1	2
70	Effect of antisense oligomer in controlling c-raf.1 overexpression during diethylnitrosamine-induced hepatocarcinogenesis in rat. Cancer Chemotherapy and Pharmacology, 2010, 65, 309-318.	2.3	12
71	Tamoxifen Citrate Encapsulated Sustained Release Liposomes: Preparation and Evaluation of Physicochemical Properties. Scientia Pharmaceutica, 2010, 78, 507-515.	2.0	24
72	Dental Mold: A Novel Formulation to Treat Common Dental Disorders. AAPS PharmSciTech, 2009, 10, 692-702.	3.3	10

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73	Development of Denticap, a Matrix Based Sustained Release Formulation for Treatment of Toothache, Dental Infection and Other Gum Problem. Current Drug Delivery, 2009, 6, 199-207.	1.6	11
74	Development and evaluation of nefopam transdermal matrix patch system in human volunteers. PDA Journal of Pharmaceutical Science and Technology, 2009, 63, 537-46.	0.5	7
75	Gum Cordia: A Novel Matrix Forming Material for Enteric resistant and Sustained Drug Deliveryâ€"A Technical Note. AAPS PharmSciTech, 2008, 9, 330-3.	3.3	39
76	Preparation, characterization and in-vitro evaluation of sustained release protein-loaded nanoparticles based on biodegradable polymers. International Journal of Nanomedicine, 2008, 3, 487.	6.7	106
77	Changes in the antioxidant defense and hepatic drug metabolizing enzyme and isoenzyme levels, 8-hydroxydeoxyguanosine formation and expressions of c-raf.1 and insulin-like growth factor II genes during the stages of development of hepatocellular carcinoma in rats. European Journal of Cancer Prevention, 2007, 16, 363-371.	1.3	7
78	Sustained release of acyclovir from nano-liposomes and nano-niosomes: an in vitro study. International Journal of Nanomedicine, 2007, 2, 213-25.	6.7	45
79	HPLC detection of plasma concentrations of diclofenac in human volunteers administered with povidone-ethylcellulose based experimental transdermal matrix-type patches. Methods and Findings in Experimental and Clinical Pharmacology, 2006, 28, 301.	0.8	17
80	Gum Odina-A New Tablet Binder. Trends in Applied Sciences Research, 2006, 1, 309-316.	0.4	26
81	Preparation and Evaluation of Verapamil Hydrochloride Microcapsules. American Journal of Therapeutics, 2005, 12, 417-424.	0.9	7
82	Characterization of insulin-like-growth factor II (IGF II) mRNA positive hepatic altered foci and IGF II expression in hepatocellular carcinoma during diethylnitrosamine-induced hepatocarcinogenesis in rats. Journal of Carcinogenesis, 2005, 4, 12.	2.5	18
83	A comparison between povidone-ethylcellulose and povidone-eudragit transdermal dexamethasone matrix patches based on in vitro skin permeation. European Journal of Pharmaceutics and Biopharmaceutics, 2005, 59, 475-483.	4.3	102
84	Vanadiumâ€"an element of atypical biological significance. Toxicology Letters, 2004, 150, 135-143.	0.8	327
85	Development and In Vitro Evaluation of Diltiazem Hydrochloride Transdermal Patches Based on Povidoneâ€"EthylCellulose Matrices. Drug Development and Industrial Pharmacy, 2003, 29, 1-7.	2.0	62
86	Design, development, physicochemical, and in vitro and in vivo evaluation of transdermal patches containing diclofenac diethylammonium salt. Journal of Pharmaceutical Sciences, 2002, 91, 2076-2089.	3.3	144
87	Novel implications of the potential role of selenium on antioxidant status in streptozotocin-induced diabetic mice. Biomedicine and Pharmacotherapy, 1998, 52, 89-95.	5.6	58
88	Inhibition of 3â€²-methyl-4-dimethylaminoazobenzene-induced hepatocarcinogenesis in rat by dietary Î²-carotene: Changes in hepatic anti-oxidant defense enzyme levels. International Journal of Cancer, 1995, 61, 799-805.	5.1	19
89	Inhibitory effect of Î²-carotene on chronic 2-acetylaminofluorene induced hepatocarcinogenesis in rat: reflection in hepatic drug metabolism. Carcinogenesis, 1994, 15, 1055-1060.	2.8	42
90	Lipid peroxidation, glutathione levels and changes in glutathioneâ€related enzyme activities in streptozotocinâ€induced diabetic rats. Immunology and Cell Biology, 1994, 72, 109-114.	2.3	70

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91	Comparative Patterns of Hepatic Drug Metabolizing Enzymes and Their Possible Correlation with Chromosomal Aberrations in Transplantable Murine Lymphoma: a Time Course Study. Cancer Investigation, 1994, 12, 477-483.	1.3	8
92	Chemically Induced Hepatocellular Carcinoma and Stages of Development with Biochemical and Genetic Modulation: A Special Reference to Insulin-Like-Growth Factor II and Raf Gene Signaling. , 0, , .		4