Rinti Banerjee

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5202266/publications.pdf

Version: 2024-02-01

128	5,347	109264 35	88593 70
papers	citations	h-index	g-index

130	130	130	8786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoparticle platforms for dermal <scp>antiaging</scp> technologies: Insights in cellular and molecular mechanisms. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1746.	3.3	12
2	Loco-regional radiosensitizing nanoparticles-in-gel augments head and neck cancer chemoradiotherapy. Journal of Controlled Release, 2022, 343, 288-302.	4.8	7
3	Poly Îµ-Caprolactone Nanoparticles for Sustained Intra-Articular Immune Modulation in Adjuvant-Induced Arthritis Rodent Model. Pharmaceutics, 2022, 14, 519.	2.0	5
4	Wearable and implantable devices for drug delivery: Applications and challenges. Biomaterials, 2022, 283, 121435.	5.7	52
5	Levonorgestrel Microneedle Array Patch for Sustained Release Contraception: Formulation, Optimization and In Vivo Characterization. Molecules, 2022, 27, 2349.	1.7	8
6	Phospholipid and menthol based nanovesicle impregnated transdermal patch for nutraceutical delivery to diminish folate and iron deficiency. Biomedical Materials (Bristol), 2022, 17, 044101.	1.7	1
7	Nanotechnology Approaches for Rapid Detection and Theranostics of Antimicrobial Resistant Bacterial Infections. ACS Biomaterials Science and Engineering, 2022, 8, 2232-2257.	2.6	9
8	In vivo efficacy & phantom imaging connote the theranostic potential of a drug-loaded lipid nanobubble. Journal of Drug Delivery Science and Technology, 2022, 74, 103568.	1.4	0
9	Ultrasound Augments On-demand Breast Tumor Radiosensitization and Apoptosis Through a Tri-responsive Combinatorial Delivery Theranostic Platform. Nanoscale, 2021, 13, 17077-17092.	2.8	5
10	Combinatorial liposomes of berberine and curcumin inhibit biofilm formation and intracellular methicillin resistant Staphylococcus aureus infections and associated inflammation. Journal of Materials Chemistry B, 2021, 9, 864-875.	2.9	48
11	Immunomodulatory nanosystems for treating inflammatory diseases. Biomaterials, 2021, 274, 120875.	5.7	38
12	Development of smart core-shell nanoparticle-based sensors for the point-of-care detection of alpha amylase in diagnostics and forensics. Biosensors and Bioelectronics, 2021, 184, 113244.	5.3	10
13	Efficacy of transdermal delivery of liposomal micronutrients through body oil massage on neurodevelopmental and micronutrient deficiency status in infants: results of a randomized placebo-controlled clinical trial. BMC Nutrition, 2021, 7, 48.	0.6	1
14	Aerosol Delivery of Paclitaxel-Containing Self-Assembled Nanocochleates for Treating Pulmonary Metastasis: An Approach Supporting Pulmonary Mechanics. ACS Biomaterials Science and Engineering, 2021, 7, 144-156.	2.6	8
15	Hydrogel-Based Therapies for Cardiovascular Diseases. , 2021, , 399-427.		0
16	Non-invasive transferrin targeted nanovesicles sensitize resistant glioblastoma multiforme tumors and improve survival in orthotopic mouse models. Nanoscale, 2021, 14, 108-126.	2.8	9
17	Ultrasound-Responsive Carriers for Therapeutic Applications. ACS Biomaterials Science and Engineering, 2020, 6, 4731-4747.	2.6	64
18	Coreâ€“shell nanoparticles as platform technologies for paper based point-of-care devices to detect antimicrobial resistance. Journal of Materials Chemistry B, 2020, 8, 6296-6306.	2.9	10

#	Article	IF	Citations
19	Multifunctional Coreâ€“Shell Glyconanoparticles for Galectin-3-Targeted, Trigger-Responsive Combination Chemotherapy. Biomacromolecules, 2020, 21, 2645-2660.	2.6	20
20	Enhanced absorption, and efficacy of oral self-assembled paclitaxel nanocochleates in multi-drug resistant colon cancer. International Journal of Pharmaceutics, 2020, 586, 119482.	2.6	12
21	Hybrid silverâ€“gold nanoparticles suppress drug resistant polymicrobial biofilm formation and intracellular infection. Journal of Materials Chemistry B, 2020, 8, 4890-4898.	2.9	37
22	Advancements in prophylactic and therapeutic nanovaccines. Acta Biomaterialia, 2020, 108, 1-21.	4.1	92
23	Development of color changing polydiacetylene-based biomimetic nanovesicle platforms for quick detection of membrane permeability across the blood brain barrier. Nanoscale, 2020, 12, 8898-8908.	2.8	5
24	Development and Implementation of Liposomal Encapsulated Micronutrient Fortified Body Oil Intervention for Infant Massage: An Innovative Concept to Prevent Micronutrient Deficiencies in Children. Frontiers in Public Health, 2020, 8, 567689.	1.3	4
25	Clinical Toxicity of Nanomedicines. , 2020, , 533-560.		5
26	Curcumin Encapsulated Lecithin Nanoemulsions: An Oral Platform for Ultrasound Mediated Spatiotemporal Delivery of Curcumin to the Tumor. Scientific Reports, 2020, 10, 8587.	1.6	25
27	Trigger-responsive engineered-nanocarriers and image-guided theranostics for rheumatoid arthritis. Nanoscale, 2020, 12, 12673-12697.	2.8	21
28	Structural insights into loss of function of a pore forming toxin and its role in pneumococcal adaptation to an intracellular lifestyle. PLoS Pathogens, 2020, 16, e1009016.	2.1	13
29	Title is missing!. , 2020, 16, e1009016.		0
30	Title is missing!. , 2020, 16, e1009016.		0
31	Title is missing!. , 2020, 16, e1009016.		0
32	Title is missing!. , 2020, 16, e1009016.		0
33	Title is missing!. , 2020, 16, e1009016.		0
34	Mitigation of Hydrochloric Acid (HCl)-Induced Lung Injury in Mice by Aerosol Therapy of Surface-Active Nanovesicles Containing Antioxidant and Anti-inflammatory Drugs. ACS Applied Bio Materials, 2019, 2, 5379-5389.	2.3	4
35	Nanobubble Liposome Complexes for Diagnostic Imaging and Ultrasound-Triggered Drug Delivery in Cancers: A Theranostic Approach. ACS Omega, 2019, 4, 15567-15580.	1.6	79
36	Stimuli-responsive polymers for image-guided therapeutic applications. , 2019, , 219-245.		2

#	Article	IF	Citations
37	Ultrasound-Triggered Spatiotemporal Delivery of Topotecan and Curcumin as Combination Therapy for Cancer. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 876-893.	1.3	13
38	Liposome-encapsulated fish oil protein-tagged gold nanoparticles for intra-articular therapy in osteoarthritis. Nanomedicine, 2019, 14, 871-887.	1.7	24
39	A tumor responsive self healing prodrug hydrogel enables synergistic action of doxorubicin and miltefosine for focal combination chemotherapy. Journal of Materials Chemistry B, 2019, 7, 2920-2925.	2.9	16
40	Advances in point-of-care diagnostic devices in cancers. Analyst, The, 2018, 143, 1326-1348.	1.7	51
41	Pro-apoptotic liposomes-nanobubble conjugate synergistic with paclitaxel: a platform for ultrasound responsive image-guided drug delivery. Scientific Reports, 2018, 8, 2624.	1.6	34
42	Nanotechnology in drug delivery: present status and a glimpse into the future. Therapeutic Delivery, 2018, 9, 231-232.	1.2	11
43	Stable Liposome in Cosmetic Platforms for Transdermal Folic acid delivery for fortification and treatment of micronutrient deficiencies. Scientific Reports, 2018, 8, 16122.	1.6	34
44	Nanotechnology-based strategies as novel therapies in gliomas. Therapeutic Delivery, 2018, 9, 571-592.	1.2	6
45	Nanostructured gellan and xanthan hydrogel depot integrated within a baghdadite scaffold augments bone regeneration. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 1195-1211.	1.3	19
46	Biocompatibility and therapeutic evaluation of magnetic liposomes designed for self-controlled cancer hyperthermia and chemotherapy. Integrative Biology (United Kingdom), 2017, 9, 555-565.	0.6	40
47	Urothelium-adherent, ion-triggered liposome-in-gel system as a platform for intravesical drug delivery. Journal of Controlled Release, 2017, 245, 147-156.	4.8	65
48	Stratum corneum modulation by chemical enhancers and lipid nanostructures: implications for transdermal drug delivery. Therapeutic Delivery, 2017, 8, 701-718.	1.2	23
49	Targeted Magnetic Liposomes Loaded with Doxorubicin. Methods in Molecular Biology, 2017, 1522, 257-272.	0.4	10
50	Synergistic locoregional chemoradiotherapy using a composite liposome-in-gel system as an injectable drug depot. International Journal of Nanomedicine, 2016, Volume 11, 6435-6448.	3.3	16
51	Smart material platforms for miniaturized devices: implications in disease models and diagnostics. Lab on A Chip, 2016, 16, 1978-1992.	3.1	26
52	Mechanically Stiff, Zinc Cross-Linked Nanocomposite Scaffolds with Improved Osteostimulation and Antibacterial Properties. ACS Applied Materials & Interfaces, 2016, 8, 13735-13747.	4.0	37
53	Advances in Sub-Micron Particle Based Aerosol Strategies for Efficient Systemic Delivery of Therapeutic Agents. Current Pharmaceutical Design, 2016, 22, 2470-2480.	0.9	4
54	Joint Surface-Active Phospholipid-Mimetic Liposomes for Intra-Articular Delivery of Paclitaxel. Journal of Biomedical Nanotechnology, 2015, 11, 1225-1235.	0.5	22

#	Article	IF	Citations
55	Cytotoxic Helix-Rich Oligomer Formation by Melittin and Pancreatic Polypeptide. PLoS ONE, 2015, 10, e0120346.	1.1	6
56	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
57	Surface-active drug loaded lipopolymeric nanohybrid aerosol therapy: potential non-invasive way to mitigate lipopolysaccharide mediated inflammation in murine lungs. RSC Advances, 2015, 5, 9683-9694.	1.7	4
58	Trigger responsive polymeric nanocarriers for cancer therapy. Biomaterials Science, 2015, 3, 955-987.	2.6	117
59	Smart nanoparticles as targeting platforms for HIV infections. Nanoscale, 2015, 7, 7520-7534.	2.8	20
60	Myocardial infarction: stem cell transplantation for cardiac regeneration. Regenerative Medicine, 2015, 10, 1025-1043.	0.8	38
61	Design, synthesis and structureâ€“activity relationship (SAR) studies of imidazo[4,5-b]pyridine derived purine isosteres and their potential as cytotoxic agents. European Journal of Medicinal Chemistry, 2015, 89, 21-31.	2.6	33
62	Biphasic magnetic nanoparticlesâ€“nanovesicle hybrids for chemotherapy and self-controlled hyperthermia. Nanomedicine, 2014, 9, 955-970.	1.7	25
63	Dual pH and Temperature Stimuli-Responsive Magnetic Nanohydrogels for Thermo-Chemotherapy. Journal of Nanoscience and Nanotechnology, 2014, 14, 4082-4089.	0.9	40
64	Development of dualâ€triggered in situ gelling scaffolds for tissue engineering. Polymer International, 2014, 63, 1593-1599.	1.6	4
65	Self-crosslinked oxidized alginate/gelatin hydrogel as injectable, adhesive biomimetic scaffolds for cartilage regeneration. Acta Biomaterialia, 2014, 10, 3650-3663.	4.1	340
66	Biocompatibility, biodistribution and efficacy of magnetic nanohydrogels in inhibiting growth of tumors in experimental mice models. Biomaterials Science, 2014, 2, 370-380.	2.6	33
67	Gold Nanocages as Effective Photothermal Transducers in Killing Highly Tumorigenic Cancer Cells. Particle and Particle Systems Characterization, 2014, 31, 398-405.	1.2	28
68	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
69	The Newly Discovered Parkinsonâ€™s Disease Associated Finnish Mutation (A53E) Attenuates Î±-Synuclein Aggregation and Membrane Binding. Biochemistry, 2014, 53, 6419-6421.	1.2	137
70	Multi-scale strategy to eradicate Pseudomonas aeruginosa on surfaces using solid lipid nanoparticles loaded with free fatty acids. Nanoscale, 2014, 6, 825-832.	2.8	34
71	Apoptotic cascade inspired lipid nanovesicles show synergism with encapsulated paclitaxel in chemoresistant colon carcinoma. Nanomedicine, 2014, 9, 1789-1805.	1.7	6
72	Endogenous lung surfactant inspired pH responsive nanovesicle aerosols: Pulmonary compatible and site-specific drug delivery in lung metastases. Scientific Reports, 2014, 4, 7085.	1.6	39

#	Article	IF	Citations
73	A nanoparticulate injectable hydrogel as a tissue engineering scaffold for multiple growth factor delivery for bone regeneration. International Journal of Nanomedicine, 2013, 8, 47.	3.3	80
74	Overcoming the stratum corneum barrier: a nano approach. Drug Delivery and Translational Research, 2013, 3, 205-208.	3.0	20
75	Borate aided Schiff's base formation yields in situ gelling hydrogels for cartilage regeneration. Journal of Materials Chemistry B, 2013, 1, 5564.	2.9	56
76	Multi trigger responsive, surface active lipid nanovesicle aerosols for improved efficacy of paclitaxel in lung cancer. Integrative Biology (United Kingdom), 2013, 5, 239-248.	0.6	11
77	Proapoptotic miltefosine nanovesicles show synergism with paclitaxel: Implications for glioblastoma multiforme therapy. Cancer Letters, 2013, 334, 274-283.	3.2	20
78	Carboxymethyl-Chitosan-Tethered Lipid Vesicles: Hybrid Nanoblanket for Oral Delivery of Paclitaxel. Biomacromolecules, 2013, 14, 2272-2282.	2.6	61
79	Nanotechnology: a versatile aid in our fight against AIDS. Nanomedicine, 2013, 8, 675-677.	1.7	1
80	Thermosensitive gold-liposome hybrid nanostructures for photothermal therapy of cancer. , 2012, , .		1
81	Development and evaluation of anti-oxidant and anti-inflammatory drugs loaded lung surfactants. Soft Matter, 2012, 8, 11911.	1.2	5
82	Nanoparticle aerosols: boon or bane for breathing?. Nanomedicine, 2012, 7, 795-798.	1.7	0
83	Nanovesicle aerosols as surfactant therapy in lung injury. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 665-672.	1.7	17
84	A comparative study on thermoresponsive magnetic nanohydrogels: role of surface-engineered magnetic nanoparticles. Colloid and Polymer Science, 2012, 290, 607-617.	1.0	20
85	Curcuminoids-loaded liposomes in combination with arteether protects against Plasmodium berghei infection in mice. Experimental Parasitology, 2012, 131, 292-299.	0.5	96
86	Protein based nanoparticles as platforms for aspirin delivery for ophthalmologic applications. Colloids and Surfaces B: Biointerfaces, 2012, 93, 161-168.	2.5	25
87	In vitro application of paclitaxel loaded magnetoliposomes for combined chemotherapy and hyperthermia. Colloids and Surfaces B: Biointerfaces, 2012, 96, 1-7.	2.5	87
88	Development and Characterization of Dual Growth Factor Loaded <I>In</I> <I>Situ</I> Gelling Biopolymeric System for Tissue Engineering Applications. Journal of Biomaterials and Tissue Engineering, 2012, 2, 67-75.	0.0	9
89	Magnetic Liposomes and Hydrogels towards Cancer Therapy. , 2012, , 479-498.		4
90	Development of polyvinyl alcoholâ€“gelatin membranes for antibiotic delivery in the eye. Drug Development and Industrial Pharmacy, 2011, 37, 167-177.	0.9	64

#	Article	IF	Citations
91	Biopolymer-Based Hydrogels for Cartilage Tissue Engineering. Chemical Reviews, 2011, 111, 4453-4474.	23.0	471
92	Poly(N-isopropylacrylamide) based polymer nanogels for drug delivery applications. , 2011, , .		4
93	Nanostructured self assembled lipid materials for drug delivery and tissue engineering. Therapeutic Delivery, 2011, 2, 1485-1516.	1.2	22
94	Proapoptotic lipid nanovesicles: Synergism with paclitaxel in human lung adenocarcinoma A549 cells. Journal of Controlled Release, 2011, 156, 413-420.	4.8	21
95	Effect of d-Î±-tocopheryl polyethylene glycol 1000 succinate (TPGS) on surfactant monolayers. Colloids and Surfaces B: Biointerfaces, 2011, 85, 116-124.	2.5	41
96	Trigger-responsive nanoparticles: control switches for cancer therapy. Nanomedicine, 2011, 6, 1657-1660.	1.7	13
97	Vesicular Lipid Nanoparticles (Liposomes) for the Treatment of Medical Device Infections. Materials Research Society Symposia Proceedings, 2011, 1316, 1.	0.1	0
98	Development of a dual growth factor loaded biodegradable hydrogel and its evaluation on osteoblast differentiation in vitro. Materials Research Society Symposia Proceedings, 2011, 1312, 1.	0.1	1
99	Biodegradable hybrid polymeric membranes for ocular drug delivery. Acta Biomaterialia, 2010, 6, 1370-1379.	4.1	64
100	Targeted temperature sensitive magnetic liposomes for thermo-chemotherapy. Journal of Controlled Release, 2010, 142, 108-121.	4.8	435
101	Intravesical drug delivery: Challenges, current status, opportunities and novel strategies. Journal of Controlled Release, 2010, 148, 147-159.	4.8	220
102	Effect of meconium on surface properties of surfactant monolayers and liposomes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2010, 370, 6-14.	2.3	7
103	Thermal behavior of magnetically modalized poly(N-isopropylacrylamide)-chitosan based nanohydrogel. Colloids and Surfaces B: Biointerfaces, 2010, 81, 185-194.	2.5	99
104	Biocompatible calcium phosphate based tubes. Journal of Materials Chemistry, 2010, 20, 6923.	6.7	27
105	Targeted Magnetic Liposomes Loaded with Doxorubicin. Methods in Molecular Biology, 2010, 605, 279-293.	0.4	21
106	Inhibitory effects of mycobacterial cell wall lipids on bovine lung surfactant extract: An in vitro study at the airâ€“aqueous interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 338, 7-14.	2.3	2
107	Effect of mycolic acid on surface activity of binary surfactant lipid monolayers. Journal of Colloid and Interface Science, 2008, 328, 288-298.	5.0	8
108	Synthesis and characterizations of water-based ferrofluids of substituted ferrites [Fe1â^'xBxFe2O4, B=Mn, Co (x=0â€“1)] for biomedical applications. Journal of Magnetism and Magnetic Materials, 2008, 320, 724-730.	1.0	110

#	Article	IF	Citations
109	Evaluation of antitubercular drug insertion into preformed dipalmitoylphosphatidylcholine monolayers. Colloids and Surfaces B: Biointerfaces, 2008, 62, 258-264.	2.5	12
110	Molecular interactions of cord factor with dipalmitoylphosphatidylcholine monolayers: Implications for lung surfactant dysfunction in pulmonary tuberculosis. Colloids and Surfaces B: Biointerfaces, 2008, 65, 120-125.	2.5	12
111	Effect of mycobacterial lipids on surface properties of Curosurfâ„¢: Implications for lung surfactant dysfunction in tuberculosis. Respiratory Physiology and Neurobiology, 2008, 162, 73-79.	0.7	10
112	Tensiometric Profiles and Their Modulation by Cholesterol: Implications in Cervical Cancer. Cancer Investigation, 2007, 25, 172-181.	0.6	18
113	Comparative evaluation of heating ability and biocompatibility of different ferrite-based magnetic fluids for hyperthermia application. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 81B, 12-22.	1.6	187
114	Effect of temperature on surface properties of cervical tissue homogenate and organic phase monolayers. Colloids and Surfaces B: Biointerfaces, 2007, 60, 12-18.	2.5	8
115	Interfacial properties as predictors of radioresistance in cervical cancer. Journal of Colloid and Interface Science, 2007, 314, 63-70.	5.0	3
116	Effect of Fluidizing Agents on Paclitaxel Penetration in Cervical Cancerous Monolayer Membranes. Journal of Membrane Biology, 2007, 219, 83-91.	1.0	18
117	Preparation and characterization of manganese ferrite-based magnetic liposomes for hyperthermia treatment of cancer. Journal of Magnetism and Magnetic Materials, 2007, 311, 208-215.	1.0	98
118	Cellular interactions of lauric acid and dextran-coated magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 311, 282-287.	1.0	57
119	Effect of particle emissions from biofuel combustion on surface activity of model and therapeutic pulmonary surfactants. Environmental Toxicology and Pharmacology, 2006, 22, 325-333.	2.0	19
120	Effects of albumin and erythrocyte membranes on spread monolayers of lung surfactant lipids. Colloids and Surfaces B: Biointerfaces, 2006, 50, 9-17.	2.5	14
121	Comparison of paclitaxel penetration in normal and cancerous cervical model monolayer membranes. Colloids and Surfaces B: Biointerfaces, 2006, 53, 179-186.	2.5	29
122	Dynamic surface tensiometry of tissues using Langmuir films. Colloids and Surfaces B: Biointerfaces, 2005, 40, 35-43.	2.5	9
123	Lung surfactant dysfunction in tuberculosis: Effect of mycobacterial tubercular lipids on dipalmitoylphosphatidylcholine surface activity. Colloids and Surfaces B: Biointerfaces, 2005, 45, 215-223.	2.5	25
124	Interfacial properties as biophysical markers of cervical cancer. Biomedicine and Pharmacotherapy, 2005, 59, 491-497.	2.5	30
125	Effect of antitubercular drugs on dipalmitoylphosphatidylcholine monolayers: implications for drug loaded surfactants. Respiratory Physiology and Neurobiology, 2005, 145, 65-77.	0.7	21
126	Interactions between hematological derivatives and dipalmitoyl phosphatidyl choline: implications for adult respiratory distress syndrome. Colloids and Surfaces B: Biointerfaces, 2004, 34, 95-104.	2.5	15

#	Article	IF	Citations
127	Liposomes: Applications in Medicine. Journal of Biomaterials Applications, 2001, 16, 3-21.	1.2	163
128	Effect of saturated, Ï‰-3 and Ï‰-6 polyunsaturated fatty acids on myocardial infarction. Journal of Nutritional Biochemistry, 1999, 10, 338-344.	1.9	23