Ameya R Kirtane

List of Publications by Year
in descending order

39 papers	1,769 citations	304368 22 h-index	344852 36 g-index
39 all docs	39 docs citations	39 times ranked	3327 citing authors

#	Article	IF	Citations
1	Nanotechnology approaches for global infectious diseases. Nature Nanotechnology, 2021, 16, 369-384.	15.6	232
2	Exploiting nanotechnology to overcome tumor drug resistance: Challenges and opportunities. Advanced Drug Delivery Reviews, 2013, 65, 1731-1747.	6.6	218
3	Development of an oral once-weekly drug delivery system for HIV antiretroviral therapy. Nature Communications, 2018, 9, 2.	5.8	180
4	Folic Acid Functionalized Nanoparticles for Enhanced Oral Drug Delivery. Molecular Pharmaceutics, 2012, 9, 2103-2110.	2.3	149
5	Triggerable tough hydrogels for gastric resident dosage forms. Nature Communications, 2017, 8, 124.	5.8	106
6	3Dâ€Printed Gastric Resident Electronics. Advanced Materials Technologies, 2019, 4, 1800490.	3.0	72
7	Computationally guided high-throughput design of self-assembling drug nanoparticles. Nature Nanotechnology, 2021, 16, 725-733.	15.6	64
8	Weighing up gene delivery. Nature Nanotechnology, 2013, 8, 805-806.	15.6	63
9	Synthesis, characterization, and evaluation of poly (D,L-lactide-co-glycolide)-based nanoformulation of miRNA-150: potential implications for pancreatic cancer therapy. International Journal of Nanomedicine, 2014, 9, 2933.	3.3	51
10	Triptolide suppresses thein vitroandin vivogrowth of lung cancer cells by targeting hyaluronan-CD44/RHAMM signaling. Oncotarget, 2017, 8, 26927-26940.	0.8	51
11	Temperature-responsive biometamaterials for gastrointestinal applications. Science Translational Medicine, 2019, 11, .	5.8	51
12	Oral mRNA delivery using capsule-mediated gastrointestinal tissue injections. Matter, 2022, 5, 975-987.	5.0	48
13	Enhanced Photodynamic Therapy and Effective Elimination of Cancer Stem Cells Using Surfactantâ€“Polymer Nanoparticles. Molecular Pharmaceutics, 2014, 11, 3186-3195.	2.3	40
14	Genotype-targeted local therapy of glioma. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8388-E8394.	3.3	40
15	Changing the pill: developments toward the promise of an ultra-long-acting gastroretentive dosage form. Expert Opinion on Drug Delivery, 2018, 15, 1189-1198.	2.4	38
16	Machine Learning Uncovers Food- and Excipient-Drug Interactions. Cell Reports, 2020, 30, 3710-3716.e4.	2.9	37
17	Gastrointestinal synthetic epithelial linings. Science Translational Medicine, 2020, 12, .	5.8	36
18	A once-a-month oral contraceptive. Science Translational Medicine, 2019, 11, .	5.8	33

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19	Fibrinolytic Enzyme Cotherapy Improves Tumor Perfusion and Therapeutic Efficacy of Anticancer Nanomedicine. Cancer Research, 2017, 77, 1465-1475.	0.4	28
20	Local Targeting of NAD+ Salvage Pathway Alters the Immune Tumor Microenvironment and Enhances Checkpoint Immunotherapy in Glioblastoma. Cancer Research, 2020, 80, 5024-5034.	0.4	28
21	Perlecan-targeted nanoparticles for drug delivery to triple-negative breast cancer. Future Drug Discovery, 2019, 1, FDD8.	0.8	27
22	Honokiol suppresses lung tumorigenesis by targeting EGFR and its downstream effectors. Oncotarget, 2016, 7, 57752-57769.	0.8	27
23	Past, Present, and Future Drug Delivery Systems for Antiretrovirals. Journal of Pharmaceutical Sciences, 2016, 105, 3471-3482.	1.6	23
24	Polymer-surfactant nanoparticles for improving oral bioavailability of doxorubicin. Journal of Pharmaceutical Investigation, 2017, 47, 65-73.	2.7	21
25	Development of oil-based gels as versatile drug delivery systems for pediatric applications. Science Advances, 2022, 8, .	4.7	19
26	A Pharmacokinetic Model for Quantifying the Effect of Vascular Permeability on the Choice of Drug Carrier: A Framework for Personalized Nanomedicine. Journal of Pharmaceutical Sciences, 2015, 104, 1174-1186.	1.6	14
27	Intranasal delivery of liposomal indole-3-carbinol improves its pulmonary bioavailability. International Journal of Pharmaceutics, 2014, 477, 96-101.	2.6	13
28	Assessing the Benefits of Drug Delivery by Nanocarriers: A Partico/Pharmacokinetic Framework. IEEE Transactions on Biomedical Engineering, 2017, 64, 2176-2185.	2.5	10
29	Implantable system for chronotherapy. Science Advances, 2021, 7, eabj4624.	4.7	9
30	Reformulating Tylocrebrine in Epidermal Growth Factor Receptor Targeted Polymeric Nanoparticles Improves Its Therapeutic Index. Molecular Pharmaceutics, 2015, 12, 2912-2923.	2.3	8
31	Convergence for Translation: Drugâ€Delivery Research in Multidisciplinary Teams. Angewandte Chemie - International Edition, 2018, 57, 4156-4163.	7.2	8
32	Scalable Gastric Resident Systems for Veterinary Application. Scientific Reports, 2018, 8, 11816.	1.6	8
33	Chemopreventive efficacy of oral curcumin: a prodrug hypothesis. FASEB Journal, 2019, 33, 9453-9465.	0.2	8
34	Evaluation of Vaginal Drug Levels and Safety of a Locally Administered Glycerol Monolaurate Cream in Rhesus Macaques. Journal of Pharmaceutical Sciences, 2017, 106, 1821-1827.	1.6	4
35	Personalized Radiation Attenuating Materials for Gastrointestinal Mucosal Protection. Advanced Science, 2021, 8, 2100510.	5.6	3
36	Translation durch Konvergenz: Drugâ€Deliveryâ€Forschung in multidisziplinÃren Teams. Angewandte Chemie, 2018, 130, 4226-4234.	1.6	2

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37	Abstract 4466: Surface-functionalized nanoparticles for inhalation delivery of chemotherapeutics to lung cancer. , 2014, , .		0
38	Abstract 4657: Selective inhibitors epigenetically modify and eradicate tumor-initiating stem-like cells through downregulating microRNA 22-mediated TET induction and apoptosis. , 2016, , .		0
39	Abstract 2181: Antibody-conjugated nanoparticles for targeting metastatic triple-negative breast cancer. , 2017, , .		0