

Amirali Popat

List of Publications by Year in descending order

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74
papers

4,427
citations

94433

37
h-index

106344

65
g-index

76
all docs

76
docs citations

76
times ranked

6214
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Nanoparticles for Enhanced Oral Delivery of Coenzyme-Q10: <i>in Vitro</i> and <i>in Silico</i> Studies. <i>ACS Biomaterials Science and Engineering</i> , 2023, 9, 2846-2856.	5.2	9
2	Ultra-bright green carbon dots with excitation-independent fluorescence for bioimaging. <i>Journal of Nanostructure in Chemistry</i> , 2023, 13, 377-387.	9.1	13
3	Nanobiomaterials to modulate natural killer cell responses for effective cancer immunotherapy. <i>Trends in Biotechnology</i> , 2023, 41, 77-92.	9.3	7
4	Over the counter low-dose cannabidiol: A viewpoint from the ACRE Capacity Building Group. <i>Journal of Psychopharmacology</i> , 2022, 36, 661-665.	4.0	8
5	Mesoporous Silica Nanoparticles Improve Oral Delivery of Antitubercular Bicyclic Nitroimidazoles. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 4196-4206.	5.2	23
6	3D printing: potential clinical applications for personalised solid dose medications. <i>Medical Journal of Australia</i> , 2022, 216, 64-67.	1.7	4
7	Understanding the relationship between solubility and permeability of β -cyclodextrin-based systems embedded with poorly aqueous soluble benzimidazole. <i>International Journal of Pharmaceutics</i> , 2022, 616, 121487.	5.2	11
8	Nanomaterials: The New Antimicrobial Magic Bullet. <i>ACS Infectious Diseases</i> , 2022, 8, 693-712.	3.8	28
9	Formulation and Biological Evaluation of Mesoporous Silica Nanoparticles Loaded with Combinations of Sortase A Inhibitors and Antimicrobial Peptides. <i>Pharmaceutics</i> , 2022, 14, 986.	4.5	8
10	Rapid fabrication of homogeneously distributed hyper-branched gold nanostructured electrode based electrochemical immunosensor for detection of protein biomarkers. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128803.	7.8	27
11	One-Pot Synthesis of pH-Responsive Eudragit-Mesoporous Silica Nanocomposites Enable Colonic Delivery of Glucocorticoids for the Treatment of Inflammatory Bowel Disease. <i>Advanced Therapeutics</i> , 2021, 4, 2000165.	3.2	26
12	Oral meropenem for superbugs: challenges and opportunities. <i>Drug Discovery Today</i> , 2021, 26, 551-560.	6.4	22
13	Liquid CO ₂ Formulated Mesoporous Silica Nanoparticles for pH-Responsive Oral Delivery of Meropenem. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 1836-1853.	5.2	22
14	Facile synthesis of lactoferrin conjugated ultra small large pore silica nanoparticles for the treatment of glioblastoma. <i>Nanoscale</i> , 2021, 13, 16909-16922.	5.6	28
15	Engineering mesoporous silica nanoparticles towards oral delivery of vancomycin. <i>Journal of Materials Chemistry B</i> , 2021, 9, 7145-7166.	5.8	23
16	Emerging Nanomedicines for the Treatment of Atopic Dermatitis. <i>AAPS PharmSciTech</i> , 2021, 22, 55.	3.3	22
17	Supercritical carbon dioxide assisted complexation of benzimidazole: β -cyclodextrin for improved dissolution. <i>International Journal of Pharmaceutics</i> , 2021, 596, 120240.	5.2	13
18	PLGA encapsulated β -cyclodextrin-meropenem inclusion complex formulation for oral delivery. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120280.	5.2	17

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19	Frontiers in the treatment of glioblastoma: Past, present and emerging. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 108-138.	13.7	125
20	Sustained release ketamine-loaded porous silicon-PLGA microparticles prepared by an optimized supercritical CO ₂ process. <i>Drug Delivery and Translational Research</i> , 2021, , 1.	5.8	3
21	pH Responsive colloidal carriers assembled from β -lactoglobulin and Epsilon poly-L-lysine for oral drug delivery. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 45-55.	9.4	31
22	Microfluidic assembly of pomegranate-like hierarchical microspheres for efflux regulation in oral drug delivery. <i>Acta Biomaterialia</i> , 2021, 126, 277-290.	8.3	23
23	Extracellular Vesicle Nanoarchitectonics for Novel Drug Delivery Applications. <i>Small</i> , 2021, 17, e2102220.	10.0	48
24	Nanocarriers for oral delivery of biologics: small carriers for big payloads. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 957-972.	8.7	35
25	Tacrolimus encapsulated mesoporous silica nanoparticles embedded hydrogel for the treatment of atopic dermatitis. <i>International Journal of Pharmaceutics</i> , 2021, 608, 121079.	5.2	17
26	Oral Delivery of β -Lactoglobulin-Nanosphere-Encapsulated Resveratrol Alleviates Inflammation in Winnie Mice with Spontaneous Ulcerative Colitis. <i>Molecular Pharmaceutics</i> , 2021, 18, 627-640.	4.6	39
27	Facile synthesis of dendrimer like mesoporous silica nanoparticles to enhance targeted delivery of interleukin-22. <i>Biomaterials Science</i> , 2021, 9, 7402-7411.	5.4	4
28	Clinical translation of silica nanoparticles. <i>Nature Reviews Materials</i> , 2021, 6, 1072-1074.	48.7	137
29	Enhanced Mucosal Transport of Polysaccharide-Calcium Phosphate Nanocomposites for Oral Vaccination. <i>ACS Applied Bio Materials</i> , 2021, 4, 7865-7878.	4.6	9
30	Silica nanoparticles: A promising platform for enhanced oral delivery of macromolecules. <i>Journal of Controlled Release</i> , 2020, 326, 544-555.	9.9	75
31	Size, shape and surface charge considerations of orally delivered nanomedicines. , 2020, , 143-176.		4
32	The solid progress of nanomedicine. <i>Drug Delivery and Translational Research</i> , 2020, 10, 726-729.	5.8	91
33	Polymer-Mesoporous Silica Nanoparticle Core-Shell Nanofibers as a Dual-Drug-Delivery System for Guided Tissue Regeneration. <i>ACS Applied Nano Materials</i> , 2020, 3, 1457-1467.	5.0	49
34	Gastro-protective protein-silica nanoparticles formulation for oral drug delivery: In vitro release, cytotoxicity and mitochondrial activity. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020, 151, 171-180.	4.3	24
35	Formulation technologies and advances for oral delivery of novel nitroimidazoles and antimicrobial peptides. <i>Journal of Controlled Release</i> , 2020, 324, 728-749.	9.9	22
36	MUC13 promotes the development of colitis-associated colorectal tumors via β -catenin activity. <i>Oncogene</i> , 2019, 38, 7294-7310.	5.9	28

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37	Rationally Designed Dendritic Silica Nanoparticles for Oral Delivery of Exenatide. <i>Pharmaceutics</i> , 2019, 11, 418.	4.5	42
38	Encapsulation and Controlled Release of Resveratrol Within Functionalized Mesoporous Silica Nanoparticles for Prostate Cancer Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 225.	4.1	98
39	Succinylated \hat{I}^2 -Lactoglobuline-Functionalized Multiwalled Carbon Nanotubes with Improved Colloidal Stability and Biocompatibility. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3361-3372.	5.2	17
40	Treatment of atherosclerotic plaque: perspectives on theranostics. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 1029-1043.	2.4	56
41	Environmental Copper Sensor Based on Polyethylenimine-Functionalized Nanoporous Anodic Alumina Interferometers. <i>Analytical Chemistry</i> , 2019, 91, 5011-5020.	6.5	51
42	Efficient photoacoustic imaging using indocyanine green (ICG) loaded functionalized mesoporous silica nanoparticles. <i>Biomaterials Science</i> , 2019, 7, 5002-5015.	5.4	56
43	A well-tolerated and rapidly acting thiopurine for IBD?. <i>Drug Discovery Today</i> , 2019, 24, 37-41.	6.4	14
44	Luminescent Porous Silicon Nanoparticles for Continuous Wave and Time-Gated Photoluminescence Imaging. <i>Methods in Molecular Biology</i> , 2019, 2054, 185-198.	0.9	0
45	\hat{I}^u -Poly-L-Lysine/plasmid DNA nanoplexes for efficient gene delivery in vivo. <i>International Journal of Pharmaceutics</i> , 2018, 542, 142-152.	5.2	55
46	Enhanced Solubility, Permeability and Anticancer Activity of Vorinostat Using Tailored Mesoporous Silica Nanoparticles. <i>Pharmaceutics</i> , 2018, 10, 283.	4.5	44
47	Bifunctional Succinylated \hat{I}^u -Polylysine-Coated Mesoporous Silica Nanoparticles for pH-Responsive and Intracellular Drug Delivery Targeting the Colon. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9470-9483.	8.0	77
48	Cancer therapeutics with epigallocatechin-3-gallate encapsulated in biopolymeric nanoparticles. <i>International Journal of Pharmaceutics</i> , 2017, 518, 220-227.	5.2	46
49	<i>In Vitro</i> Dissolution, Cellular Membrane Permeability, and Anti-Inflammatory Response of Resveratrol-Encapsulated Mesoporous Silica Nanoparticles. <i>Molecular Pharmaceutics</i> , 2017, 14, 4431-4441.	4.6	82
50	Enhanced colloidal stability, solubility and rapid dissolution of resveratrol by nanocomplexation with soy protein isolate. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 303-308.	9.4	132
51	Stably engineered nanobubbles and ultrasound - An effective platform for enhanced macromolecular delivery to representative cells of the retina. <i>PLoS ONE</i> , 2017, 12, e0178305.	2.5	22
52	Colloidal mesoporous silica nanoparticles enhance the biological activity of resveratrol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 144, 1-7.	5.0	114
53	GAG mimetic functionalised solid and mesoporous silica nanoparticles as viral entry inhibitors of herpes simplex type 1 and type 2 viruses. <i>Nanoscale</i> , 2016, 8, 16192-16196.	5.6	40
54	Enhancing delivery and cytotoxicity of resveratrol through a dual nanoencapsulation approach. <i>Journal of Colloid and Interface Science</i> , 2016, 462, 368-374.	9.4	99

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55	Resveratrol nanoformulations: Challenges and opportunities. <i>International Journal of Pharmaceutics</i> , 2015, 479, 282-290.	5.2	240
56	Modulating in vitro release and solubility of griseofulvin using functionalized mesoporous silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2014, 434, 218-225.	9.4	62
57	Curcumin-cyclodextrin encapsulated chitosan nanoconjugates with enhanced solubility and cell cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 520-527.	5.0	86
58	Programmable drug release using bioresponsive mesoporous silica nanoparticles for site-specific oral drug delivery. <i>Chemical Communications</i> , 2014, 50, 5547-5550.	4.1	71
59	Floating tablets from mesoporous silica nanoparticles. <i>Journal of Materials Chemistry B</i> , 2014, 2, 8298-8302.	5.8	37
60	Mesoporous silica nanoparticles enhance the cytotoxicity of curcumin. <i>RSC Advances</i> , 2014, 4, 709-712.	3.6	90
61	Effect of Surface Functionality of Silica Nanoparticles on Cellular Uptake and Cytotoxicity. <i>Molecular Pharmaceutics</i> , 2014, 11, 3642-3655.	4.6	84
62	Silica vesicles as nanocarriers and adjuvants for generating both antibody and T-cell mediated immune responses to Bovine Viral Diarrhoea Virus E2 protein. <i>Biomaterials</i> , 2014, 35, 9972-9983.	11.4	37
63	Nanodispersed UV blockers in skin-friendly silica vesicles with superior UV-attenuating efficiency. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7673-7678.	5.8	15
64	Rod-like mesoporous silica nanoparticles with rough surfaces for enhanced cellular delivery. <i>Journal of Materials Chemistry B</i> , 2014, 2, 253-256.	5.8	61
65	Synthesis of Silica Vesicles with Small Sizes and Reduced Aggregation for Photodynamic Therapy. <i>Chemistry Letters</i> , 2014, 43, 316-318.	1.3	2
66	An Overview of Recent Patents on Nanosuspension. <i>Recent Patents on Drug Delivery and Formulation</i> , 2014, 8, 144-154.	2.1	5
67	pH-Responsive Nutritional Mesoporous Silica Nanoconjugates with Enhanced Colloidal Stability. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2318-2322.	13.8	84
68	Mesoporous silica nanoparticles as antigen carriers and adjuvants for vaccine delivery. <i>Nanoscale</i> , 2013, 5, 5167.	5.6	206
69	Recent advances in the rational design of silica-based nanoparticles for gene therapy. <i>Therapeutic Delivery</i> , 2012, 3, 1217-1237.	2.2	36
70	Enzyme-Responsive Controlled Release of Covalently Bound Prodrug from Functional Mesoporous Silica Nanospheres. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12486-12489.	13.8	151
71	A pH-responsive drug delivery system based on chitosan coated mesoporous silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 11173.	6.7	277
72	Adsorption and release of biocides with mesoporous silica nanoparticles. <i>Nanoscale</i> , 2012, 4, 970-975.	5.6	147

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73	Mesoporous silica nanoparticles for bioadsorption, enzyme immobilisation, and delivery carriers. <i>Nanoscale</i> , 2011, 3, 2801.	5.6	501
74	Spray-on Sense: Sprayable Nanofibers for On-site Chemical Sensing. <i>Advanced Functional Materials</i> , 0, , 2103496.	14.9	4