

# Dr Abid Hussain

## List of Publications by Year in descending order

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65  
papers

3,085  
citations

185998

28  
h-index

161609

54  
g-index

66  
all docs

66  
docs citations

66  
times ranked

5395  
citing authors

#	ARTICLE	IF	CITATIONS
1	Current Approaches of Photothermal Therapy in Treating Cancer Metastasis with Nanotherapeutics. <i>Theranostics</i> , 2016, 6, 762-772.	4.6	724
2	Recent progress of cell-penetrating peptides as new carriers for intracellular cargo delivery. <i>Journal of Controlled Release</i> , 2014, 174, 126-136.	4.8	318
3	pH and near-infrared light dual-stimuli responsive drug delivery using DNA-conjugated gold nanorods for effective treatment of multidrug resistant cancer cells. <i>Journal of Controlled Release</i> , 2016, 232, 9-19.	4.8	119
4	Membrane-destabilizing ionizable lipid empowered imaging-guided siRNA delivery and cancer treatment. <i>Exploration</i> , 2021, 1, 35-49.	5.4	106
5	Blends and composites of exopolysaccharides; properties and applications: A review. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 10-27.	3.6	99
6	A new NIR-triggered doxorubicin and photosensitizer indocyanine green co-delivery system for enhanced multidrug resistant cancer treatment through simultaneous chemo/photothermal/photodynamic therapy. <i>Acta Biomaterialia</i> , 2017, 59, 170-180.	4.1	88
7	A multifunctional poly(curcumin) nanomedicine for dual-modal targeted delivery, intracellular responsive release, dual-drug treatment and imaging of multidrug resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2954-2962.	2.9	66
8	Anticholinesterase and antioxidant investigations of crude extracts, subsequent fractions, saponins and flavonoids of <i>atriplex laciniata</i> L.: potential effectiveness in Alzheimer's and other neurological disorders. <i>Biological Research</i> , 2015, 48, 21.	1.5	65
9	Phenolic, flavonoid contents, anticholinesterase and antioxidant evaluation of <i>Iris germanica</i> var <i>florentina</i> . <i>Natural Product Research</i> , 2016, 30, 1440-1444.	1.0	65
10	Tumor-specific disintegratable nanohybrids containing ultrasmall inorganic nanoparticles: from design and improved properties to cancer applications. <i>Materials Horizons</i> , 2018, 5, 184-205.	6.4	65
11	Paclitaxel or 5-fluorouracil/esophageal stent combinations as a novel approach for the treatment of esophageal cancer. <i>Biomaterials</i> , 2015, 53, 592-599.	5.7	64
12	Core Role of Hydrophobic Core of Polymeric Nanomicelle in Endosomal Escape of siRNA. <i>Nano Letters</i> , 2021, 21, 3680-3689.	4.5	58
13	Efficient, dual-stimuli responsive cytosolic gene delivery using a RGD modified disulfide-linked polyethylenimine functionalized gold nanorod. <i>Journal of Controlled Release</i> , 2014, 196, 37-51.	4.8	57
14	Evaluation of antibacterial activity of N-phosphonium chitosan as a novel polymeric antibacterial agent. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 163-171.	3.6	56
15	Near-infrared triggered co-delivery of doxorubicin and quercetin by using gold nanocages with tetradecanol to maximize anti-tumor effects on MCF-7/ADR cells. <i>Journal of Colloid and Interface Science</i> , 2018, 509, 47-57.	5.0	56
16	Insight on the changes of cassava and potato starch granules during gelatinization. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 37-43.	3.6	53
17	Assessment of public intention to get vaccination against COVID-19: Evidence from a developing country. <i>Journal of Evaluation in Clinical Practice</i> , 2022, 28, 63-73.	0.9	51
18	Efficient RNA delivery by integrin-targeted glutathione responsive polyethyleneimine capped gold nanorods. <i>Acta Biomaterialia</i> , 2015, 23, 136-146.	4.1	50

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19	A nanoparticulate pre-chemosensitizer for efficacious chemotherapy of multidrug resistant breast cancer. <i>Scientific Reports</i> , 2016, 6, 21459.	1.6	50
20	mRNA vaccines for COVID-19 and diverse diseases. <i>Journal of Controlled Release</i> , 2022, 345, 314-333.	4.8	50
21	A PTX/nitinol stent combination with temperature-responsive phase-change 1-hexadecanol for magnetocaloric drug delivery: Magnetocaloric drug release and esophagus tissue penetration. <i>Biomaterials</i> , 2018, 153, 49-58.	5.7	49
22	Thermostable ionizable lipid-like nanoparticle (iLAND) for RNAi treatment of hyperlipidemia. <i>Science Advances</i> , 2022, 8, eabm1418.	4.7	46
23	Terminal PEGylated DNA-Gold Nanoparticle Conjugates Offering High Resistance to Nuclease Degradation and Efficient Intracellular Delivery of DNA Binding Agents. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 18707-18716.	4.0	35
24	pH, redox and photothermal tri-responsive DNA/polyethylenimine conjugated gold nanorods as nanocarriers for specific intracellular co-release of doxorubicin and chemosensitizer pyronaridine to combat multidrug resistant cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1785-1795.	1.7	35
25	Self-assembled micelles of amphiphilic PEGylated rapamycin for loading paclitaxel and resisting multidrug resistant cancer cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1204-1207.	2.9	34
26	Ionizable lipid-assisted efficient hepatic delivery of gene editing elements for oncotherapy. <i>Bioactive Materials</i> , 2022, 9, 590-601.	8.6	33
27	Degradation behaviors of monomethoxy poly(ethylene glycol)-poly( $\epsilon$ -caprolactone) nanoparticles in aqueous solution. <i>Polymers for Advanced Technologies</i> , 2008, 19, 66-72.	1.6	32
28	Intracellularly Degradable, Self-Assembled Amphiphilic Block Copolycurcumin Nanoparticles for Efficient In Vivo Cancer Chemotherapy. <i>Advanced Healthcare Materials</i> , 2015, 4, 1496-1501.	3.9	32
29	Nitinol stents loaded with a high dose of antitumor 5-fluorouracil or paclitaxel: esophageal tissue responses in a porcine model. <i>Gastrointestinal Endoscopy</i> , 2015, 82, 153-160.e1.	0.5	29
30	Nanodiamond mediated co-delivery of doxorubicin and malaridine to maximize synergistic anti-tumor effects on multi-drug resistant MCF-7/ADR cells. <i>Journal of Materials Chemistry B</i> , 2017, 5, 3531-3540.	2.9	29
31	Glutathione dectonated and pH responsive nano-clusters of Au nanorods with a high dose of DOX for treatment of multidrug resistant cancer. <i>Acta Biomaterialia</i> , 2018, 75, 334-345.	4.1	28
32	3D printing and coating to fabricate a hollow bullet-shaped implant with porous surface for controlled cytoxin release. <i>International Journal of Pharmaceutics</i> , 2018, 552, 91-98.	2.6	26
33	Moisture sorption and desorption properties of gelatin, HPMC and pullulan hard capsules. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 659-666.	3.6	26
34	Photothermal gold nanocages filled with temperature sensitive tetradecanol and encapsulated with glutathione responsive polycurcumin for controlled DOX delivery to maximize anti-MDR tumor effects. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5464-5472.	2.9	25
35	NIR-triggered release of DOX from sophorolipid-coated mesoporous carbon nanoparticles with the phase-change material 1-tetradecanol to treat MCF-7/ADR cells. <i>Journal of Materials Chemistry B</i> , 2019, 7, 974-985.	2.9	22
36	Effects of $\lambda$ -carrageenan on pullulan's rheological and texture properties as well as pullulan hard capsule performances. <i>Carbohydrate Polymers</i> , 2020, 238, 116190.	5.1	22

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37	Aggregation behavior of MPEG-PCL diblock copolymers in aqueous solutions and morphologies of the aggregates. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 3406-3417.	2.4	21
38	Poly( $\mu$ -caprolactone)-b-poly(ethylene glycol)-b-poly( $\mu$ -caprolactone) triblock copolymers: Synthesis and self-assembly in aqueous solutions. <i>Journal of Polymer Science Part A</i> , 2007, 45, 605-613.	2.5	21
39	Quaternised chitosan coating on titanium provides a self-protective surface that prevents bacterial colonisation and implant-associated infections. <i>RSC Advances</i> , 2015, 5, 54304-54311.	1.7	19
40	Preparation and evaluation of pH -responsive charge-convertible ternary complex FA-PEI-CCA/PEI/DNA with low cytotoxicity and efficient gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 58-67.	2.5	19
41	A chemo/photo- co-therapeutic system for enhanced multidrug resistant cancer treatment using multifunctional mesoporous carbon nanoparticles coated with poly (curcumin-dithiodipropionic) Tj ETQq1 1 0.784314 rgBT /Overlock 11	3.14	19
42	NIR-light and GSH activated cytosolic p65-shRNA delivery for precise treatment of metastatic cancer. <i>Journal of Controlled Release</i> , 2018, 288, 126-135.	4.8	18
43	Pyrazinamide resistance and mutations L19R, R140H, and E144K in <i>Pyrazinamidase</i> of <i>Mycobacterium tuberculosis</i> . <i>Journal of Cellular Biochemistry</i> , 2019, 120, 7154-7166.	1.2	17
44	Progress of Photodynamic and RNAi Combination Therapy in Cancer Treatment. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4420-4429.	2.6	17
45	Osteopontin targeted theranostic nanoprobe for laser-induced synergistic regression of vulnerable atherosclerotic plaques. <i>Acta Pharmaceutica Sinica B</i> , 2022, 12, 2014-2028.	5.7	16
46	Angiopep-2 modified PEGylated 2-methoxyestradiol micelles to treat the PC12 cells with oxygen-glucose deprivation/reoxygenation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 638-646.	2.5	14
47	Tailor-made ternary nanopolyplexes of thiolated trimethylated chitosan with pDNA and folate conjugated cis-aconitic amide-polyethylenimine for efficient gene delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 948-956.	3.6	13
48	Cyclam-Modified Polyethylenimine for Simultaneous TGF $\beta$ 2 siRNA Delivery and CXCR4 Inhibition for the Treatment of CCL4-Induced Liver Fibrosis. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4451-4470.	3.3	12
49	A new approach based on CXCR4-targeted combination liposomes for the treatment of liver fibrosis. <i>Biomaterials Science</i> , 2022, 10, 2650-2664.	2.6	11
50	Controlled synthesis of monodisperse gold nanorods with different aspect ratios in the presence of aromatic additives. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	10
51	Rational design of multimodal therapeutic nanosystems for effective inhibition of tumor growth and metastasis. <i>Acta Biomaterialia</i> , 2018, 77, 240-254.	4.1	10
52	siRNA-functionalized lanthanide nanoparticle enables efficient endosomal escape and cancer treatment. <i>Nano Research</i> , 2022, 15, 9160-9168.	5.8	10
53	PEGylated Doxorubicin Micelles Loaded with Curcumin Exerting Synergic Effects on Multidrug Resistant Tumor Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2873-2880.	0.9	9
54	Formulations, Pharmacodynamic and Clinical Studies of Nanoparticles for Lung Cancer Therapy - An Overview. <i>Current Drug Metabolism</i> , 2018, 19, 759-767.	0.7	9

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55	Bioimaging guided pharmaceutical evaluations of nanomedicines for clinical translations. Journal of Nanobiotechnology, 2022, 20, 236.	4.2	9
56	Self-assembly of biotinylated poly(ethylene glycol)-poly(curcumin) for paclitaxel delivery. International Journal of Pharmaceutics, 2018, 553, 510-521.	2.6	7
57	Self-Assembled Micelles of Amphiphilic PEGylated Drugs for Cancer Treatment. Current Drug Targets, 2021, 22, 870-881.	1.0	7
58	The gelling behavior of gellan in the presence of different sodium salts. International Journal of Biological Macromolecules, 2021, 193, 768-777.	3.6	7
59	Concentration controlled multilevel self-assembly of 3-armed poly(ethylene glycol)-poly(L-lactide) copolymer. Part B: Polymer Physics, 2008, 46, 1412-1418.	2.4	6
60	A stent film of paclitaxel presenting extreme accumulation of paclitaxel in tumor tissue and excellent antitumor efficacy after implantation beneath the subcutaneous tumor xenograft in mice. International Journal of Pharmaceutics, 2018, 553, 29-36.	2.6	6
61	Investigation of Migration-Preventing Tracheal Stent with High Dose of 5-Fluorouracil or Paclitaxel for Local Drug Delivery. ACS Applied Bio Materials, 2018, 1, 1328-1336.	2.3	5
62	Taxol-loaded nanoparticles with methoxy poly(ethylene glycol)-poly( $\epsilon$ -caprolactone) as a novel additive in the outer aqueous phase. Journal of Applied Polymer Science, 2011, 121, 2386-2393.	1.3	4
63	Copolymeric Micelles Loading Curcumin: Preparation, Characterization and <i>In Vitro</i> Evaluation. Journal of Nanoscience and Nanotechnology, 2018, 18, 1585-1593.	0.9	4
64	Morphology of poly( $\epsilon$ -caprolactone)-poly(ethylene glycol) copolymer. atomic force microscopy. Polymers for Advanced Technologies, 2008, 19, 1451-1454.	1.6	2
65	Preparation, characterization and primary evaluation of trilayered biliary stent films for anti-cholangiocarcinoma and anti-biofilm formation. International Journal of Pharmaceutics, 2021, 606, 120869.	2.6	1