

# Didem Sen Karaman

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

1,286  
citations

361413

20  
h-index

361022

35  
g-index

54  
all docs

54  
docs citations

54  
times ranked

2274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size, Stability, and Porosity of Mesoporous Nanoparticles Characterized with Light Scattering. <i>Nanoscale Research Letters</i> , 2017, 12, 74.	5.7	168
2	Core-shell designs of photoluminescent nanodiamonds with porous silica coatings for bioimaging and drug delivery II: application. <i>Nanoscale</i> , 2013, 5, 3713.	5.6	111
3	Evolving Technologies and Strategies for Combating Antibacterial Resistance in the Advent of the Postantibiotic Era. <i>Advanced Functional Materials</i> , 2020, 30, 1908783.	14.9	91
4	Feasibility Study of the Permeability and Uptake of Mesoporous Silica Nanoparticles across the Blood-Brain Barrier. <i>PLoS ONE</i> , 2016, 11, e0160705.	2.5	74
5	Shape engineering vs organic modification of inorganic nanoparticles as a tool for enhancing cellular internalization. <i>Nanoscale Research Letters</i> , 2012, 7, 358.	5.7	61
6	Multimodality Imaging of Silica and Silicon Materials In Vivo. <i>Advanced Materials</i> , 2018, 30, e1703651.	21.0	53
7	Shape engineering boosts antibacterial activity of chitosan coated mesoporous silica nanoparticle doped with silver: a mechanistic investigation. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3292-3304.	5.8	50
8	Functionalization of graphene oxide nanostructures improves photoluminescence and facilitates their use as optical probes in preclinical imaging. <i>Nanoscale</i> , 2015, 7, 10410-10420.	5.6	48
9	Polyethyleneimine-functionalized large pore ordered silica materials for poorly water-soluble drug delivery. <i>Journal of Materials Science</i> , 2014, 49, 1437-1447.	3.7	38
10	Rational evaluation of the utilization of PEG-PEI copolymers for the facilitation of silica nanoparticulate systems in biomedical applications. <i>Journal of Colloid and Interface Science</i> , 2014, 418, 300-310.	9.4	38
11	Design considerations for mesoporous silica nanoparticulate systems in facilitating biomedical applications. <i>Open Material Sciences</i> , 2014, 1, .	0.8	38
12	Tailored Approaches in Drug Development and Diagnostics: From Molecular Design to Biological Model Systems. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700258.	7.6	38
13	Inkjet Printing of Drug-Loaded Mesoporous Silica Nanoparticles—A Platform for Drug Development. <i>Molecules</i> , 2017, 22, 2020.	3.8	38
14	Anti-bacterial activity of inorganic nanomaterials and their antimicrobial peptide conjugates against resistant and non-resistant pathogens. <i>International Journal of Pharmaceutics</i> , 2020, 586, 119531.	5.2	35
15	Comparative safety evaluation of silica-based particles. <i>Toxicology in Vitro</i> , 2015, 30, 355-363.	2.4	34
16	Targeted delivery of a novel anticancer compound anisomelic acid using chitosan-coated porous silica nanorods for enhancing the apoptotic effect. <i>Biomaterials Science</i> , 2015, 3, 103-111.	5.4	34
17	Targeted modulation of cell differentiation in distinct regions of the gastrointestinal tract via oral administration of differently PEG-PEI functionalized mesoporous silica nanoparticles. <i>International Journal of Nanomedicine</i> , 2016, 11, 299.	6.7	31
18	Real-time Label-free Monitoring of Nanoparticle Cell Uptake. <i>Small</i> , 2016, 12, 6289-6300.	10.0	26

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19	Mesoporous silica nanoparticles as diagnostic and therapeutic tools: how can they combat bacterial infection?. <i>Therapeutic Delivery</i> , 2018, 9, 241-244.	2.2	26
20	Mesoporous silica nanoparticles facilitating the dissolution of poorly soluble drugs in orodispersible films. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 122, 152-159.	4.0	21
21	Preparation of curcumin loaded mesoporous silica nanoparticles: Determining polarizability inside the mesopores. <i>Materials Research Bulletin</i> , 2016, 84, 267-272.	5.2	20
22	One-pot synthesis of pore-expanded hollow mesoporous silica particles. <i>Materials Letters</i> , 2015, 143, 140-143.	2.6	19
23	NIR light-activated dual-modality cancer therapy mediated by photochemical internalization of porous nanocarriers with tethered lipid bilayers. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8289-8298.	5.8	19
24	A method for optical imaging and monitoring of the excretion of fluorescent nanocomposites from the body using artificial neural networks. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1371-1380.	3.3	19
25	Bimodal Mesoporous CMK-5 Carbon: Selective Pore Filling with Sulfur and SnO <sub>2</sub> for Lithium Battery Electrodes. <i>ACS Applied Nano Materials</i> , 2018, 1, 455-462.	5.0	19
26	Recent Advances in the Use of Mesoporous Silica Nanoparticles for the Diagnosis of Bacterial Infections. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 6575-6591.	6.7	19
27	FRET-reporter nanoparticles to monitor redox-induced intracellular delivery of active compounds. <i>RSC Advances</i> , 2014, 4, 16429-16437.	3.6	17
28	Current Approaches for Exploration of Nanoparticles as Antibacterial Agents. , 0, , .		16
29	Modulation of the structural properties of mesoporous silica nanoparticles to enhance the T <sub>1</sub> -weighted MR imaging capability. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1720-1732.	5.8	13
30	Modeling of a Hybrid Langmuir Adsorption Isotherm for Describing Interactions Between Drug Molecules and Silica Surfaces. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 1392-1397.	3.3	10
31	Silica-based nanoparticles as drug delivery systems. , 2018, , 1-40.		10
32	Circumventing Drug Treatment? Intrinsic Lethal Effects of Polyethyleneimine (PEI)-Functionalized Nanoparticles on Glioblastoma Cells Cultured in Stem Cell Conditions. <i>Cancers</i> , 2021, 13, 2631.	3.7	9
33	Scalable synthesis of multicomponent multifunctional inorganic core@mesoporous silica shell nanocomposites. <i>Materials Science and Engineering C</i> , 2021, 128, 112272.	7.3	9
34	Coculture of <i>P. aeruginosa</i> and <i>S. aureus</i> on cell derived matrix - An in vitro model of biofilms in infected wounds. <i>Journal of Microbiological Methods</i> , 2020, 175, 105994.	1.6	7
35	Rational evaluation of human serum albumin coated mesoporous silica nanoparticles for xenogenic-free stem cell therapies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 600, 124945.	4.7	5
36	Polyethylenimine-grafted mesoporous silica nanocarriers markedly enhance the bactericidal effect of curcumin against <i>Staphylococcus aureus</i> biofilm. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 2506-2520.	3.4	5

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37	Core@shell structured ceria@mesoporous silica nanoantibiotics restrain bacterial growth in vitro and in vivo. <i>Materials Science and Engineering C</i> , 2021, , 112607.	7.3	3
38	Neural Network Classification Method for Solution of the Problem of Monitoring Theremoval of the Theranostics Nanocomposites from an Organism. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 173-179.	0.6	2
39	Bacteriostatic Poly(lactic Acid) Coatings Enriched with Zinc Oxide and Silica Nanoparticles for Titanium Pedicle Screws. <i>Jom</i> , 0, , 1.	1.9	2
40	11. Electrospun biocomposite fibers for wound healing applications. , 2019, , 265-320.		1
41	Nano-chemistry: The Toolbox for Nanoparticle Based Diagnosis and Therapy. <i>Annals of Chemical Science Research</i> , 2018, 1, .	0.1	1
42	Monitoring of the excretion of fluorescent nanocomposites out of the body using artificial neural networks. , 2018, , .		1
43	The Protective Role of Natural Melanin Nanoparticles Under UVC Exposure. , 2021, , .		1
44	GÄ±da ve SaÄ±Ä±k UygulamalarÄ±n UVC IÄ±n AltÄ±nda Alternatif Bir FotokatalizÄ±r Olarak: DoÄ±yal Melanin NanoparÄ±klarÄ±. <i>European Journal of Science and Technology</i> , 0, , .	0.5	1
45	Antibiofilm activity of photodynamic therapy with a novel dual photosensitizer incorporated mesoporous silica nanoparticle and laser system. , 2021, , .		1
46	Enhanced photodynamic action with chlorin e6 and indocyanine green incorporated mesoporous silica nanoparticles against prostate cancer cells. , 2021, , .		1
47	Feasibility Study of Mesoporous Silica Nanoparticles Permeability through the Cancer Microtissues. , 2018, , .		0
48	Tuning the Tensile Strength of Electrospun Fibers by Mesoporous Silica Nanoparticle Integration for Tissue Engineering Applications. , 2019, , .		0
49	The Effect of Different Concentrations of Mesoporous Silica Nanoparticles in Antibacterial Photodynamic Therapy. , 2019, , .		0
50	Preparation of Serum Albumin Loaded Injectable Silica-Gel Matrix. , 2019, , .		0
51	DÄ±ndÄ±rme Kaplama YÄ±ntemi ile Kurkumin KaplanmÄ± Polikaprolakton Nanolif Yara Ä±rtÄ±lerinin HazÄ±rlanmasÄ± ve in vitro EtkinliÄ±nin Ä±ncelenmesi. <i>European Journal of Science and Technology</i> , 0, , .	0.5	0
52	The Effect of Zinc Oxide Nanoparticles in Antibacterial Photothermal Therapy against MRSA. , 2020, , .		0
53	Effect of zinc oxide nanoparticles on the growth of gram-positive and gram-negative bacteria. , 2021, , .		0