

Handan Acar

List of Publications by Year in descending order

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26
papers

1,629
citations

567281

15
h-index

526287

27
g-index

29
all docs

29
docs citations

29
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. <i>Advanced Drug Delivery Reviews</i> , 2019, 143, 68-96.	13.7	561
2	Self-assembling peptide-based building blocks in medical applications. <i>Advanced Drug Delivery Reviews</i> , 2017, 110-111, 65-79.	13.7	169
3	On the issue of transparency and reproducibility in nanomedicine. <i>Nature Nanotechnology</i> , 2019, 14, 629-635.	31.5	149
4	Study of Physically Transient Insulating Materials as a Potential Platform for Transient Electronics and Bioelectronics. <i>Advanced Functional Materials</i> , 2014, 24, 4135-4143.	14.9	127
5	Molecular engineering solutions for therapeutic peptide delivery. <i>Chemical Society Reviews</i> , 2017, 46, 6553-6569.	38.1	103
6	Self-assembled one-dimensional soft nanostructures. <i>Soft Matter</i> , 2010, 6, 5839.	2.7	75
7	Self-Assembled Template-Directed Synthesis of One-Dimensional Silica and Titania Nanostructures. <i>Langmuir</i> , 2011, 27, 1079-1084.	3.5	63
8	Natural and Synthetic Biomaterials for Engineering Multicellular Tumor Spheroids. <i>Polymers</i> , 2020, 12, 2506.	4.5	55
9	Self-Assembled Peptide Nanofiber Templated One-Dimensional Gold Nanostructures Exhibiting Resistive Switching. <i>Langmuir</i> , 2012, 28, 16347-16354.	3.5	46
10	A zwitterionic block-copolymer, based on glutamic acid and lysine, reduces the biofouling of UF and RO membranes. <i>Journal of Membrane Science</i> , 2018, 549, 507-514.	8.2	38
11	Grating coupler integrated photodiodes for plasmon resonance based sensing. <i>Lab on A Chip</i> , 2011, 11, 282-287.	6.0	33
12	The effects of size and shape of the ovarian cancer spheroids on the drug resistance and migration. <i>Gynecologic Oncology</i> , 2020, 159, 563-572.	1.4	33
13	Amyloid-like peptide nanofiber templated titania nanostructures as dye sensitized solar cell anodic materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 10979.	10.3	23
14	Cathepsin-Mediated Cleavage of Peptides from Peptide Amphiphiles Leads to Enhanced Intracellular Peptide Accumulation. <i>Bioconjugate Chemistry</i> , 2017, 28, 2316-2326.	3.6	23
15	Antifouling Properties of a Self-Assembling Glutamic Acid-Lysine Zwitterionic Polymer Surface Coating. <i>Langmuir</i> , 2019, 35, 1699-1713.	3.5	21
16	Peptide framework for screening the effects of amino acids on assembly. <i>Science Advances</i> , 2022, 8, eabj0305.	10.3	20
17	Small Molecule Targeting of Oxysterol-Binding Protein (OSBP)-Related Protein 4 and OSBP Inhibits Ovarian Cancer Cell Proliferation in Monolayer and Spheroid Cell Models. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 744-756.	4.9	15
18	Characterization and quantification of necrotic tissues and morphology in multicellular ovarian cancer tumor spheroids using optical coherence tomography. <i>Biomedical Optics Express</i> , 2021, 12, 3352.	2.9	14

#	ARTICLE	IF	CITATIONS
19	Activating the Intrinsic Pathway of Apoptosis Using BIM BH3 Peptides Delivered by Peptide Amphiphiles with Endosomal Release. <i>Materials</i> , 2019, 12, 2567.	2.9	11
20	Preparation and characterization of conductive polypyrrole/kaolinite composites. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 845-850.	4.0	10
21	Peptide Aggregation Induced Immunogenic Rupture (PAIR). <i>Advanced Science</i> , 2022, 9, .	11.2	10
22	Potassium persulfate-mediated preparation of conducting polypyrrole/polyacrylonitrile composite fibers: Humidity and temperature-sensing properties. <i>Journal of Applied Polymer Science</i> , 2012, 125, 3977-3985.	2.6	8
23	Using nanogap in label-free impedance based electrical biosensors to overcome electrical double layer effect. <i>Microsystem Technologies</i> , 2017, 23, 889-897.	2.0	8
24	Drug Delivery Applications of Peptide Materials. <i>RSC Soft Matter</i> , 2020, , 291-334.	0.4	3
25	Chondroinductive Peptides for Cartilage Regeneration. <i>Tissue Engineering - Part B: Reviews</i> , 2022, 28, 745-765.	4.8	2
26	Cathepsin-Cleavable BIM BH3 Peptide Amphiphiles Are Potent Inducers of Cellular Apoptosis. <i>Blood</i> , 2015, 126, 4438-4438.	1.4	0