Handan Acar

List of Publications by Year
in descending order

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	Chondroinductive Peptides for Cartilage Regeneration. Tissue Engineering - Part B: Reviews, 2022, 28, 745-765.	4.8	2
2	Peptide framework for screening the effects of amino acids on assembly. Science Advances, 2022, 8, eabj0305.	10.3	20
3	Peptide Aggregation Induced Immunogenic Rupture (PAIIR). Advanced Science, 2022, 9, .	11.2	10
4	Small Molecule Targeting of Oxysterol-Binding Protein (OSBP)-Related Protein 4 and OSBP Inhibits Ovarian Cancer Cell Proliferation in Monolayer and Spheroid Cell Models. ACS Pharmacology and Translational Science, 2021, 4, 744-756.	4.9	15
5	Characterization and quantification of necrotic tissues and morphology in multicellular ovarian cancer tumor spheroids using optical coherence tomography. Biomedical Optics Express, 2021, 12, 3352.	2.9	14
6	Natural and Synthetic Biomaterials for Engineering Multicellular Tumor Spheroids. Polymers, 2020, 12, 2506.	4.5	55
7	The effects of size and shape of the ovarian cancer spheroids on the drug resistance and migration. Gynecologic Oncology, 2020, 159, 563-572.	1.4	33
8	Drug Delivery Applications of Peptide Materials. RSC Soft Matter, 2020, , 291-334.	0.4	3
9	On the issue of transparency and reproducibility in nanomedicine. Nature Nanotechnology, 2019, 14, 629-635.	31.5	149
10	Activating the Intrinsic Pathway of Apoptosis Using BIM BH3 Peptides Delivered by Peptide Amphiphiles with Endosomal Release. Materials, 2019, 12, 2567.	2.9	11
11	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. Advanced Drug Delivery Reviews, 2019, 143, 68-96.	13.7	561
12	Antifouling Properties of a Self-Assembling Glutamic Acid-Lysine Zwitterionic Polymer Surface Coating. Langmuir, 2019, 35, 1699-1713.	3.5	21
13	A zwitterionic block-copolymer, based on glutamic acid and lysine, reduces the biofouling of UF and RO membranes. Journal of Membrane Science, 2018, 549, 507-514.	8.2	38
14	Using nanogap in label-free impedance based electrical biosensors to overcome electrical double layer effect. Microsystem Technologies, 2017, 23, 889-897.	2.0	8
15	Molecular engineering solutions for therapeutic peptide delivery. Chemical Society Reviews, 2017, 46, 6553-6569.	38.1	103
16	Cathepsin-Mediated Cleavage of Peptides from Peptide Amphiphiles Leads to Enhanced Intracellular Peptide Accumulation. Bioconjugate Chemistry, 2017, 28, 2316-2326.	3.6	23
17	Self-assembling peptide-based building blocks in medical applications. Advanced Drug Delivery Reviews, 2017, 110-111, 65-79.	13.7	169
18	Cathepsin-Cleavable BIM BH3 Peptide Amphiphiles Are Potent Inducers of Cellular Apoptosis. Blood, 2015, 126, 4438-4438.	1.4	0

#	Article	IF	Citations
19	Study of Physically Transient Insulating Materials as a Potential Platform for Transient Electronics and Bioelectronics. Advanced Functional Materials, 2014, 24, 4135-4143.	14.9	127
20	Amyloid-like peptide nanofiber templated titania nanostructures as dye sensitized solar cell anodic materials. Journal of Materials Chemistry A, 2013, 1, 10979.	10.3	23
21	Preparation and characterization of conductive polypyrrole/kaolinite composites. Materials Science in Semiconductor Processing, 2013, 16, 845-850.	4.0	10
22	Self-Assembled Peptide Nanofiber Templated One-Dimensional Gold Nanostructures Exhibiting Resistive Switching. Langmuir, 2012, 28, 16347-16354.	3.5	46
23	Potassium persulfateâ€mediated preparation of conducting polypyrrole/polyacrylonitrile composite fibers: Humidity and temperatureâ€sensing properties. Journal of Applied Polymer Science, 2012, 125, 3977-3985.	2.6	8
24	Grating coupler integrated photodiodes for plasmon resonance based sensing. Lab on A Chip, 2011, 11, 282-287.	6.0	33
25	Self-Assembled Template-Directed Synthesis of One-Dimensional Silica and Titania Nanostructures. Langmuir, 2011, 27, 1079-1084.	3.5	63
26	Self-assembled one-dimensional soft nanostructures. Soft Matter, 2010, 6, 5839.	2.7	75