

Ming Ni

List of Publications by Year in descending order

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44
papers

2,194
citations

331642

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302107

39
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all docs

44
docs citations

44
times ranked

3332
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy metal water pollution: A fresh look about hazards, novel and conventional remediation methods. <i>Environmental Technology and Innovation</i> , 2021, 22, 101504.	6.1	431
2	The infinite possibilities of RNA therapeutics. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2021, 48, .	3.0	15
3	Margin diagnosis for endoscopic submucosal dissection of early gastric cancer using multiphoton microscopy. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 408-416.	2.4	9
4	Engineered Zero-Dimensional Fullerene/Carbon Dots-Polymer Based Nanocomposite Membranes for Wastewater Treatment. <i>Molecules</i> , 2020, 25, 4934.	3.8	32
5	A vascular-liver chip for sensitive detection of nutraceutical metabolites from human pluripotent stem cell derivatives. <i>Biomicrofluidics</i> , 2020, 14, 034108.	2.4	12
6	Ultrashort Peptide Theranostic Nanoparticles by Microfluidic-Assisted Rapid Solvent Exchange. <i>IEEE Transactions on Nanobioscience</i> , 2020, 19, 627-632.	3.3	14
7	Recent advances in microfluidic methods in cancer liquid biopsy. <i>Biomicrofluidics</i> , 2019, 13, 041503.	2.4	39
8	Applications of self-assembling ultrashort peptides in bionanotechnology. <i>RSC Advances</i> , 2019, 9, 844-852.	3.6	41
9	Self-assembling amyloid-like peptides as exogenous second harmonic probes for bioimaging applications. <i>Journal of Biophotonics</i> , 2019, 12, e201900065.	2.3	18
10	Automated classification of hepatocellular carcinoma differentiation using multiphoton microscopy and deep learning. <i>Journal of Biophotonics</i> , 2019, 12, e201800435.	2.3	39
11	Ultrashort peptides: minimum number in amino acid residues, maximum number in bioapplications.. <i>Revista Bionatura</i> , 2019, 4, .	0.4	2
12	Bioinspired systems: A new upcoming research master program at Yachay Tech University in Ecuador. <i>Revista Bionatura</i> , 2019, 4, 893-894.	0.4	0
13	C-Terminal Residue of Ultrashort Peptides Impacts on Molecular Self-Assembly, Hydrogelation, and Interaction with Small-Molecule Drugs. <i>Scientific Reports</i> , 2018, 8, 17127.	3.3	31
14	Strategies in Microfluidic Self-Assembled Nanoparticles. , 2018, , .		0
15	Biomaterials as Second Harmonic Probes for Bioimaging and Diagnostic Applications. , 2018, , .		0
16	3D measurement of collagen directional variance in ovarian cancer by multiphoton microscopy. , 2018, , .		0
17	Fluorescent probes for nanoscopy: four categories and multiple possibilities. <i>Journal of Biophotonics</i> , 2017, 10, 11-23.	2.3	28
18	Self-assembled polysulfone nanoparticles using microfluidic chip. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 458-462.	7.8	17

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19	Stem cell therapies for ischemic stroke: current animal models, clinical trials and biomaterials. RSC Advances, 2017, 7, 18668-18680.	3.6	12
20	Harnessing supramolecular peptide nanotechnology in biomedical applications. International Journal of Nanomedicine, 2017, Volume 12, 1171-1182.	6.7	36
21	Roadmap on biosensing and photonics with advanced nano-optical methods. Journal of Optics (United Kingdom), 2017, 19, 1701-1711.	2.2	61
22	Nonlinear optical microscopy: Endogenous signals and exogenous probes. Annalen Der Physik, 2015, 527, 471-489.	2.4	12
23	Label-free and real-time imaging of dehydration-induced DNA conformational changes in cellular nucleus using second harmonic microscopy. Scientific Reports, 2015, 4, 7416.	3.3	7
24	Stem Cell-Biomaterial Interactions for Tissue Engineering. Stem Cells International, 2015, 2015, 1-2.	2.5	2
25	Priming the Surface of Orthopedic Implants for Osteoblast Attachment in Bone Tissue Engineering. International Journal of Medical Sciences, 2015, 12, 701-707.	2.5	28
26	Second harmonic generation microscopy for label-free imaging of fibrillar-like mesostructured polysulfone biomaterials. Optical Materials Express, 2015, 5, 2692.	3.0	1
27	Peptide Bioink: Self-Assembling Nanofibrous Scaffolds for Three-Dimensional Organotypic Cultures. Nano Letters, 2015, 15, 6919-6925.	9.1	161
28	Self-Assembled Peptide Nanostructures for Regenerative Medicine and Biology. , 2015, , 63-90.		3
29	Polysulfone Membranes Coated with Polymerized 3,4-Dihydroxy-L-phenylalanine are a Versatile and Cost-Effective Synthetic Substrate for Defined Long-Term Cultures of Human Pluripotent Stem Cells. Biomacromolecules, 2014, 15, 2067-2078.	5.4	21
30	Cytotoxicity and potency of mesocellular foam-26 in comparison to layered clays used as hemostatic agents. Toxicology Research, 2013, 2, 136-144.	2.1	12
31	Human embryonic stem cells differentiate into functional renal proximal tubular-like cells. Kidney International, 2013, 83, 593-603.	5.2	138
32	Fine Control Over the Size of Surfactant-Polyelectrolyte Nanoparticles by Hydrodynamic Flow Focusing. Analytical Chemistry, 2013, 85, 5850-5856.	6.5	36
33	The use of a library of industrial materials to determine the nature of substrate-dependent performance of primary adherent human cells. Biomaterials, 2012, 33, 353-364.	11.4	10
34	Generation of easily accessible human kidney tubules on two-dimensional surfaces in vitro. Journal of Cellular and Molecular Medicine, 2011, 15, 1287-1298.	3.6	28
35	The performance of primary human renal cells in hollow fiber bioreactors for bioartificial kidneys. Biomaterials, 2011, 32, 8806-8815.	11.4	63
36	Characterization of membrane materials and membrane coatings for bioreactor units of bioartificial kidneys. Biomaterials, 2011, 32, 1465-1476.	11.4	59

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37	Achievements and challenges in bioartificial kidney development. <i>Fibrogenesis and Tissue Repair</i> , 2010, 3, 14.	3.4	37
38	Cell Culture on MEMS Platforms: A Review. <i>International Journal of Molecular Sciences</i> , 2009, 10, 5411-5441.	4.1	120
39	Differentiating calcium carbonate polymorphs by surface analysis techniques—an XPS and TOF-SIMS study. <i>Surface and Interface Analysis</i> , 2008, 40, 1356-1361.	1.8	297
40	Modeling pattern dependencies in the micron-scale embossing of polymeric layers. <i>Proceedings of SPIE</i> , 2008, , .	0.8	2
41	Nacre surface transformation to hydroxyapatite in a phosphate buffer solution. <i>Biomaterials</i> , 2003, 24, 4323-4331.	11.4	124
42	Calcium Phosphate-Chitosan Composite Scaffolds for Bone Tissue Engineering. <i>Tissue Engineering</i> , 2003, 9, 337-345.	4.6	180
43	Preliminary communication Low frequency dielectric relaxation in the smectic C* phase of a ferroelectric liquid crystal. <i>Liquid Crystals</i> , 1999, 26, 465-467.	2.2	11
44	AFM observation of single-chain PMMA particles. <i>Journal of Macromolecular Science - Physics</i> , 1998, 37, 339-348.	1.0	5