

Marissa E Wechsler

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11047580/publications.pdf>

Version: 2024-02-01

19
papers

3,622
citations

759233

12
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

3401
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering precision nanoparticles for drug delivery. <i>Nature Reviews Drug Discovery</i> , 2021, 20, 101-124.	46.4	3,154
2	Label-Free Detection of Tear Biomarkers Using Hydrogel-Coated Gold Nanoshells in a Localized Surface Plasmon Resonance-Based Biosensor. <i>ACS Nano</i> , 2018, 12, 9342-9354.	14.6	79
3	Messenger RNA-based vaccines: Past, present, and future directions in the context of the COVID-19 pandemic. <i>Advanced Drug Delivery Reviews</i> , 2021, 179, 114000.	13.7	71
4	Engineered microscale hydrogels for drug delivery, cell therapy, and sequencing. <i>Biomedical Microdevices</i> , 2019, 21, 31.	2.8	50
5	Molecularly Imprinted Intelligent Scaffolds for Tissue Engineering Applications. <i>Tissue Engineering - Part B: Reviews</i> , 2017, 23, 27-43.	4.8	37
6	Advanced biomedical hydrogels: molecular architecture and its impact on medical applications. <i>International Journal of Energy Production and Management</i> , 2021, 8, rbab060.	3.7	36
7	Charged poly(N-isopropylacrylamide) nanogels for use as differential protein receptors in a turbidimetric sensor array. <i>Analyt. Chem.</i> , 2017, 142, 3183-3193.	3.5	34
8	Vision for Functionally Decorated and Molecularly Imprinted Polymers in Regenerative Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2017, 3, 166-175.	2.9	30
9	110th Anniversary: Nanoparticle Mediated Drug Delivery for the Treatment of Alzheimer's Disease: Crossing the Blood-Brain Barrier. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15079-15087.	3.7	28
10	Lipid- and polymer-based nanoparticle systems for the delivery of CRISPR/Cas9. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102728.	3.0	19
11	Adult Human Mesenchymal Stem Cell Differentiation at the Cell Population and Single-Cell Levels Under Alternating Electric Current. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 155-164.	2.1	18
12	Charged Poly(N-isopropylacrylamide) Nanogels for the Stabilization of High Isoelectric Point Proteins. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4282-4292.	5.2	16
13	Nanogel receptors for high isoelectric point protein detection: influence of electrostatic and covalent polymer-protein interactions. <i>Chemical Communications</i> , 2020, 56, 6141-6144.	4.1	12
14	Electrostatic and Covalent Assemblies of Anionic Hydrogel-Coated Gold Nanoshells for Detection of Dry Eye Biomarkers in Human Tears. <i>Nano Letters</i> , 2021, 21, 8734-8740.	9.1	12
15	Developing a Multidisciplinary Approach for Engineering Stem Cell Organoids. <i>Annals of Biomedical Engineering</i> , 2020, 48, 1895-1904.	2.5	10
16	Granular PEG hydrogels mediate osteoporotic MSC clustering via N-cadherin influencing the pro-resorptive bias of their secretory profile. <i>Acta Biomaterialia</i> , 2022, 145, 77-87.	8.3	9
17	Recent advancements in biosensing approaches for screening and diagnostic applications. <i>Current Opinion in Biomedical Engineering</i> , 2021, 19, 100318.	3.4	4
18	Electrochemically Preadsorbed Collagen Promotes Adult Human Mesenchymal Stem Cell Adhesion. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 69-75.	2.1	2

#	ARTICLE	IF	CITATIONS
19	The Interface of Drug Delivery and Regenerative Medicine. , 2018, , 77-77.		1