Seungmi Ryu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10562922/publications.pdf

Version: 2024-02-01

19	1,356	567281 15	752698 20
papers	citations	h-index	g-index

23	23	23	2876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Label-free histological imaging of tissues using Brillouin light scattering contrast. Biomedical Optics Express, 2021, 12, 1437.	2.9	14
2	A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. Nature Methods, 2021, 18, 528-541.	19.0	72
3	Cardiac-mimetic cell-culture system for direct cardiac reprogramming. Theranostics, 2019, 9, 6734-6744.	10.0	15
4	Dual Roles of Graphene Oxide To Attenuate Inflammation and Elicit Timely Polarization of Macrophage Phenotypes for Cardiac Repair. ACS Nano, 2018, 12, 1959-1977.	14.6	184
5	CO2-assisted hydrothermal reactions for ginseng extract. Journal of Supercritical Fluids, 2018, 135, 17-24.	3.2	3
6	Cooperative Catechol-Functionalized Polypept(o)ide Brushes and Ag Nanoparticles for Combination of Protein Resistance and Antimicrobial Activity on Metal Oxide Surfaces. Biomacromolecules, 2018, 19, 1602-1613.	5.4	38
7	Reversible Cell Layering for Heterogeneous Cell Assembly Mediated by Ionic Cross-Linking of Chitosan and a Functionalized Cell Surface Membrane. Chemistry of Materials, 2017, 29, 5294-5305.	6.7	7
8	Cellular Layer-by-Layer Coculture Platform Using Biodegradable, Nanoarchitectured Membranes for Stem Cell Therapy. Chemistry of Materials, 2017, 29, 5134-5147.	6.7	16
9	Gold Nanoparticle/Graphene Oxide Hybrid Sheets Attached on Mesenchymal Stem Cells for Effective Photothermal Cancer Therapy. Chemistry of Materials, 2017, 29, 3461-3476.	6.7	76
10	Thermosensitive, Stretchable, and Piezoelectric Substrate for Generation of Myogenic Cell Sheet Fragments from Human Mesenchymal Stem Cells for Skeletal Muscle Regeneration. Advanced Functional Materials, 2017, 27, 1703853.	14.9	42
11	In situ hybridization of carbon nanotubes with bacterial cellulose for three-dimensional hybrid bioscaffolds. Biomaterials, 2015, 58, 93-102.	11.4	82
12	Behaviors of stem cells on carbon nanotube. Biomaterials Research, 2015, 19, 3.	6.9	40
13	Iron Oxide Nanoparticle-Mediated Development of Cellular Gap Junction Crosstalk to Improve Mesenchymal Stem Cellsâ€™ Therapeutic Efficacy for Myocardial Infarction. ACS Nano, 2015, 9, 2805-2819.	14.6	122
14	Graphene Oxide Flakes as a Cellular Adhesive: Prevention of Reactive Oxygen Species Mediated Death of Implanted Cells for Cardiac Repair. ACS Nano, 2015, 9, 4987-4999.	14.6	203
15	Graphene Potentiates the Myocardial Repair Efficacy of Mesenchymal Stem Cells by Stimulating the Expression of Angiogenic Growth Factors and Gap Junction Protein. Advanced Functional Materials, 2015, 25, 2590-2600.	14.9	114
16	Nanothin Coculture Membranes with Tunable Pore Architecture and Thermoresponsive Functionality for Transfer-Printable Stem Cell-Derived Cardiac Sheets. ACS Nano, 2015, 9, 10186-10202.	14.6	44
17	Grapheneâ€'Regulated Cardiomyogenic Differentiation Process of Mesenchymal Stem Cells by Enhancing the Expression of Extracellular Matrix Proteins and Cell Signaling Molecules. Advanced Healthcare Materials, 2014, 3, 176-181.	7.6	133
18	Threeâ€Đimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration. Angewandte Chemie - International Edition, 2014, 53, 9213-9217.	13.8	34

#	Article	IF	Citations
19	Culture of neural cells and stem cells on graphene. Tissue Engineering and Regenerative Medicine, 2013, 10, 39-46.	3.7	100