

Seungmi Ryu

List of Publications by Year in descending order

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

Version: 2024-02-01

19
papers

1,356
citations

567281

15
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2876
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Graphene-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
4	Iron Oxide Nanoparticle-Mediated Development of Cellular Gap Junction Crosstalk to Improve Mesenchymal Stem Cells™ Therapeutic Efficacy for Myocardial Infarction. ACS Nano, 2015, 9, 2805-2819.	14.6	122
5	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
6	Culture of neural cells and stem cells on graphene. Tissue Engineering and Regenerative Medicine, 2013, 10, 39-46.	3.7	100
7	In situ hybridization of carbon nanotubes with bacterial cellulose for three-dimensional hybrid bioscaffolds. Biomaterials, 2015, 58, 93-102.	11.4	82
8	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
9	A versatile polypharmacology platform promotes cytoprotection and viability of human pluripotent and differentiated cells. Nature Methods, 2021, 18, 528-541.	19.0	72
10	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
11	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
12	Behaviors of stem cells on carbon nanotube. Biomaterials Research, 2015, 19, 3.	6.9	40
13	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
14	Three-Dimensional Scaffolds of Carbonized Polyacrylonitrile for Bone Tissue Regeneration. Angewandte Chemie - International Edition, 2014, 53, 9213-9217.	13.8	34
15	Cellular Layer-by-Layer Coculture Platform Using Biodegradable, Nanoarchitected Membranes for Stem Cell Therapy. Chemistry of Materials, 2017, 29, 5134-5147.	6.7	16
16	Cardiac-mimetic cell-culture system for direct cardiac reprogramming. Theranostics, 2019, 9, 6734-6744.	10.0	15
17	Label-free histological imaging of tissues using Brillouin light scattering contrast. Biomedical Optics Express, 2021, 12, 1437.	2.9	14
18	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

#	ARTICLE	IF	CITATIONS
19	CO ₂ -assisted hydrothermal reactions for ginseng extract. Journal of Supercritical Fluids, 2018, 135, 17-24.	3.2	3