

Woo-Jae Chung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/835753/publications.pdf>

Version: 2024-02-01

38
papers

1,965
citations

430874

18
h-index

361022

35
g-index

38
all docs

38
docs citations

38
times ranked

3292
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic self-templating supramolecular structures. <i>Nature</i> , 2011, 478, 364-368.	27.8	382
2	Virus-based piezoelectric energy generation. <i>Nature Nanotechnology</i> , 2012, 7, 351-356.	31.5	377
3	Biomimetic virus-based colourimetric sensors. <i>Nature Communications</i> , 2014, 5, 3043.	12.8	207
4	AP-1-Targeting Anti-Inflammatory Activity of the Methanolic Extract of <i>Persicaria chinensis</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	1.2	105
5	CRISPR/Cas9-Mediated Re-Sensitization of Antibiotic-Resistant <i>Escherichia coli</i> Harboring Extended-Spectrum β -Lactamases. <i>Journal of Microbiology and Biotechnology</i> , 2016, 26, 394-401.	2.1	84
6	Facile patterning of genetically engineered M13 bacteriophage for directional growth of human fibroblast cells. <i>Soft Matter</i> , 2011, 7, 363-368.	2.7	76
7	Evolutionary Screening of Collagen-like Peptides That Nucleate Hydroxyapatite Crystals. <i>Langmuir</i> , 2011, 27, 7620-7628.	3.5	75
8	Biomimetic Self-Templated Hierarchical Structures of Collagen-Like Peptide Amphiphiles. <i>Nano Letters</i> , 2015, 15, 7138-7145.	9.1	64
9	Phage as versatile nanoink for printing 3-D cell-laden scaffolds. <i>Acta Biomaterialia</i> , 2016, 29, 112-124.	8.3	63
10	Cellulose Nanocrystal-Based Colored Thin Films for Colorimetric Detection of Aldehyde Gases. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10353-10361.	8.0	63
11	Genetically Engineered Liquid-Crystalline Viral Films for Directing Neural Cell Growth. <i>Langmuir</i> , 2010, 26, 9885-9890.	3.5	60
12	Zwint-1 is required for spindle assembly checkpoint function and kinetochore-microtubule attachment during oocyte meiosis. <i>Scientific Reports</i> , 2015, 5, 15431.	3.3	49
13	Chemical modulation of M13 bacteriophage and its functional opportunities for nanomedicine. <i>International Journal of Nanomedicine</i> , 2014, 9, 5825.	6.7	48
14	Fabrication of engineered M13 bacteriophages into liquid crystalline films and fibers for directional growth and encapsulation of fibroblasts. <i>Soft Matter</i> , 2010, 6, 4454.	2.7	41
15	Colorimetric allergenic fungal spore detection using peptide-modified gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2021, 327, 128894.	7.8	41
16	Pharmacokinetics, Tissue Distribution, and Anti-Lipogenic/Adipogenic Effects of Allyl-Isothiocyanate Metabolites. <i>PLoS ONE</i> , 2015, 10, e0132151.	2.5	37
17	Virucidal nano-perforator of viral membrane trapping viral RNAs in the endosome. <i>Nature Communications</i> , 2019, 10, 185.	12.8	35
18	Tannic acid-functionalized HEPA filter materials for influenza virus capture. <i>Scientific Reports</i> , 2021, 11, 979.	3.3	22

#	ARTICLE	IF	CITATIONS
19	Engineered Phage Matrix Stiffness-Modulating Osteogenic Differentiation. ACS Applied Materials & Interfaces, 2018, 10, 4349-4358.	8.0	20
20	Envelope-deforming antiviral peptide derived from influenza virus M2 protein. Biochemical and Biophysical Research Communications, 2019, 517, 507-512.	2.1	17
21	Graphene Oxide Conjugated Magnetic Beads for RNA Extraction. Chemistry - an Asian Journal, 2017, 12, 1883-1888.	3.3	16
22	A mechanically improved virus-based hybrid scaffold for bone tissue regeneration. RSC Advances, 2016, 6, 55022-55032.	3.6	10
23	Reduction of focal sweating by lipid nanoparticle-delivered myricetin. Scientific Reports, 2020, 10, 13132.	3.3	10
24	Filamentous anti-influenza agents wrapping around viruses. Journal of Colloid and Interface Science, 2021, 583, 267-278.	9.4	10
25	Mechanisms of Resorcinol Antagonism of Benzo[a]pyrene-Induced Damage to Human Keratinocytes. Biomolecules and Therapeutics, 2021, 29, 227-233.	2.4	10
26	Hierarchically structured peptide nanofibers for colorimetric detection of gaseous aldehydes. Sensors and Actuators B: Chemical, 2019, 282, 868-875.	7.8	7
27	Substituent effects of phenylboronic acid-functionalized resins in pH-controlled separation of catecholic flavonoids. Journal of Industrial and Engineering Chemistry, 2019, 77, 164-170.	5.8	7
28	Large-scale Assembly of Peptide-Based Hierarchical Nanostructures and Their Antiferroelectric Properties. Small, 2020, 16, e2003986.	10.0	6
29	Self-Assembled Multi-Epitope Peptide Amphiphiles Enhance the Immune Response against Enterovirus 71. Nanomaterials, 2020, 10, 2342.	4.1	5
30	Nanodisc-Mediated Conversion of Virustatic Antiviral Antibody to Disrupt Virus Envelope in Infected Cells. Small Methods, 2022, 6, e2101516.	8.6	4
31	SNARE zippering is hindered by polyphenols in the neuron. Biochemical and Biophysical Research Communications, 2014, 450, 831-836.	2.1	3
32	Robust Magnetized Graphene Oxide Platform for In Situ Peptide Synthesis and FRET-Based Protease Detection. Sensors, 2020, 20, 5275.	3.8	3
33	Development of End-Spliced Dimeric Nanodiscs for the Improved Virucidal Activity of a Nanoperforator. ACS Applied Materials & Interfaces, 2021, 13, 36757-36768.	8.0	3
34	Hydroxyapatite Supported Ruthenium Catalysts for Hydrogen Generation from Borane Dimethyl Amine. Bulletin of the Korean Chemical Society, 2015, 36, 2797-2798.	1.9	2
35	Growth of Au and ZnS nanostructures via engineered peptide and M13 bacteriophage templates. Soft Matter, 2018, 14, 2996-3002.	2.7	2
36	Biomimetic virus-based colourimetric sensors. , 0, .		1

#	ARTICLE	IF	CITATIONS
37	Synthesis of Caffeoyl-Prolyl-Histidyl-Xaa Derivatives and Evaluation of Their Activities and Stability upon Long-Term Storage. International Journal of Molecular Sciences, 2021, 22, 6301.	4.1	0
38	Nanodisc-Mediated Conversion of Virustatic Antiviral Antibody to Disrupt Virus Envelope in Infected Cells (Small Methods 4/2022). Small Methods, 2022, 6, .	8.6	0