Woo-Jae Chung

List of Publications by Year
in descending order

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	Nanodiscâ€Mediated Conversion of Virustatic Antiviral Antibody to Disrupt Virus Envelope in Infected Cells. Small Methods, 2022, 6, e2101516.	8.6	4
2	Nanodiscâ€Mediated Conversion of Virustatic Antiviral Antibody to Disrupt Virus Envelope in Infected Cells (Small Methods 4/2022). Small Methods, 2022, 6, .	8.6	0
3	Colorimetric allergenic fungal spore detection using peptide-modified gold nanoparticles. Sensors and Actuators B: Chemical, 2021, 327, 128894.	7.8	41
4	Filamentous anti-influenza agents wrapping around viruses. Journal of Colloid and Interface Science, 2021, 583, 267-278.	9.4	10
5	Mechanisms of Resorcinol Antagonism of Benzo[a]pyrene-Induced Damage to Human Keratinocytes. Biomolecules and Therapeutics, 2021, 29, 227-233.	2.4	10
6	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
7	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
8	Tannic acid-functionalized HEPA filter materials for influenza virus capture. Scientific Reports, 2021, 11, 979.	3.3	22
9	Largeâ€Scale Assembly of Peptideâ€Based Hierarchical Nanostructures and Their Antiferroelectric Properties. Small, 2020, 16, e2003986.	10.0	6
10	Self-Assembled Multi-Epitope Peptide Amphiphiles Enhance the Immune Response against Enterovirus 71. Nanomaterials, 2020, 10, 2342.	4.1	5
11	Robust Magnetized Graphene Oxide Platform for In Situ Peptide Synthesis and FRET-Based Protease Detection. Sensors, 2020, 20, 5275.	3.8	3
12	Reduction of focal sweating by lipid nanoparticle-delivered myricetin. Scientific Reports, 2020, 10, 13132.	3.3	10
13	Envelope-deforming antiviral peptide derived from influenza virus M2 protein. Biochemical and Biophysical Research Communications, 2019, 517, 507-512.	2.1	17
14	Hierarchically structured peptide nanofibers for colorimetric detection of gaseous aldehydes. Sensors and Actuators B: Chemical, 2019, 282, 868-875.	7.8	7
15	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
16	Virucidal nano-perforator of viral membrane trapping viral RNAs in the endosome. Nature Communications, 2019, 10, 185.	12.8	35
17	Cellulose Nanocrystal-Based Colored Thin Films for Colorimetric Detection of Aldehyde Gases. ACS Applied Materials & Interfaces, 2018, 10, 10353-10361.	8.0	63
18	Growth of Au and ZnS nanostructures via engineered peptide and M13 bacteriophage templates. Soft Matter, 2018, 14, 2996-3002.	2.7	2

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19	Engineered Phage Matrix Stiffness-Modulating Osteogenic Differentiation. ACS Applied Materials & Interfaces, 2018, 10, 4349-4358.	8.0	20
20	Graphene Oxide Conjugated Magnetic Beads for RNA Extraction. Chemistry - an Asian Journal, 2017, 12, 1883-1888.	3.3	16
21	A mechanically improved virus-based hybrid scaffold for bone tissue regeneration. RSC Advances, 2016, 6, 55022-55032.	3.6	10
22	Phage as versatile nanoink for printing 3-D cell-laden scaffolds. Acta Biomaterialia, 2016, 29, 112-124.	8.3	63
23	CRISPR/Cas9-Mediated Re-Sensitization of Antibiotic-Resistant Escherichia coli Harboring Extended-Spectrum ï¿½ï¿½-Lactamases. Journal of Microbiology and Biotechnology, 2016, 26, 394-401.	2.1	84
24	Zwint-1 is required for spindle assembly checkpoint function and kinetochore-microtubule attachment during oocyte meiosis. Scientific Reports, 2015, 5, 15431.	3.3	49
25	Hydroxyapatite Supported Ruthenium Catalysts for Hydrogen Generation from Borane Dimethyl Amine. Bulletin of the Korean Chemical Society, 2015, 36, 2797-2798.	1.9	2
26	Pharmacokinetics, Tissue Distribution, and Anti-Lipogenic/Adipogenic Effects of Allyl-Isothiocyanate Metabolites. PLoS ONE, 2015, 10, e0132151.	2.5	37
27	AP-1-Targeting Anti-Inflammatory Activity of the Methanolic Extract ofPersicaria chinensis. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-11.	1.2	105
28	Biomimetic Self-Templated Hierarchical Structures of Collagen-Like Peptide Amphiphiles. Nano Letters, 2015, 15, 7138-7145.	9.1	64
29	Chemical modulation of M13 bacteriophage and its functional opportunities for nanomedicine. International Journal of Nanomedicine, 2014, 9, 5825.	6.7	48
30	Biomimetic virus-based colourimetric sensors. Nature Communications, 2014, 5, 3043.	12.8	207
31	SNARE zippering is hindered by polyphenols in the neuron. Biochemical and Biophysical Research Communications, 2014, 450, 831-836.	2.1	3
32	Virus-based piezoelectric energy generation. Nature Nanotechnology, 2012, 7, 351-356.	31.5	377
33	Facile patterning of genetically engineered M13 bacteriophage for directional growth of human fibroblast cells. Soft Matter, 2011, 7, 363-368.	2.7	76
34	Evolutionary Screening of Collagen-like Peptides That Nucleate Hydroxyapatite Crystals. Langmuir, 2011, 27, 7620-7628.	3.5	75
35	Biomimetic self-templating supramolecular structures. Nature, 2011, 478, 364-368.	27.8	382
36	Genetically Engineered Liquid-Crystalline Viral Films for Directing Neural Cell Growth. Langmuir, 2010, 26, 9885-9890.	3.5	60

#	Article	IF	Citations
37	Fabrication of engineered M13 bacteriophages into liquid crystalline films and fibers for directional growth and encapsulation of fibroblasts. Soft Matter, 2010, 6, 4454.	2.7	41
38	Biomimetic virus-based colourimetric sensors. , 0, .		1