

Jiwon Seo

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,240
citations

361413

20
h-index

377865

34
g-index

47
all docs

47
docs citations

47
times ranked

1696
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial peptides under clinical investigation. <i>Peptide Science</i> , 2019, 111, e24122.	1.8	240
2	Identification of Single-Atom Ni Site Active toward Electrochemical CO ₂ Conversion to CO. <i>Journal of the American Chemical Society</i> , 2021, 143, 925-933.	13.7	107
3	Selective Neuronal Nitric Oxide Synthase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2005, 5, 603-624.	2.1	60
4	Learning from Host-Defense Peptides: Cationic, Amphipathic Peptoids with Potent Anticancer Activity. <i>PLoS ONE</i> , 2014, 9, e90397.	2.5	60
5	<i>In Vivo</i> Biodistribution and Small Animal PET of ⁶⁴ Cu-Labeled Antimicrobial Peptoids. <i>Bioconjugate Chemistry</i> , 2012, 23, 1069-1079.	3.6	51
6	Chemoselective and Microwave-Assisted Synthesis of Glycopeptoids. <i>Organic Letters</i> , 2009, 11, 5210-5213.	4.6	48
7	Novel Peptoid Building Blocks: Synthesis of Functionalized Aromatic Helix-Inducing Submonomers. <i>Organic Letters</i> , 2010, 12, 492-495.	4.6	48
8	Effect of side chain hydrophobicity and cationic charge on antimicrobial activity and cytotoxicity of helical peptoids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 170-173.	2.2	41
9	Peptoid helicity modulation: precise control of peptoid secondary structures via position-specific placement of chiral monomers. <i>Chemical Communications</i> , 2014, 50, 4465-4468.	4.1	40
10	Electrochemical Ni^{2+} -Catalyzed Selective Hydrocarboxylation of Styrene Using CO ₂ and Water. <i>Advanced Science</i> , 2020, 7, 1900137.	11.2	38
11	Mitochondrion-Targeting Peptides and Peptidomimetics: Recent Progress and Design Principles. <i>Biochemistry</i> , 2020, 59, 270-284.	2.5	37
12	<i>Operando</i> Stability of Platinum Electrocatalysts in Ammonia Oxidation Reactions. <i>ACS Catalysis</i> , 2020, 10, 11674-11684.	11.2	36
13	Structure-Based Design and Synthesis of N ^ω -Nitro-L-Arginine-Containing Peptidomimetics as Selective Inhibitors of Neuronal Nitric Oxide Synthase. Displacement of the Heme Structural Water. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2089-2099.	6.4	29
14	Porphyrin- π -Peptoid Conjugates: Face-to-Face Display of Porphyrins on Peptoid Helices. <i>Organic Letters</i> , 2013, 15, 1670-1673.	4.6	28
15	Close mimicry of lung surfactant protein B by κ -clicked dimers of helical, cationic peptoids. <i>Biopolymers</i> , 2009, 92, 538-553.	2.4	26
16	Mitochondria-Targeting Peptoids. <i>Bioconjugate Chemistry</i> , 2018, 29, 1669-1676.	3.6	26
17	Helicity Modulation Improves the Selectivity of Antimicrobial Peptoids. <i>ACS Infectious Diseases</i> , 2020, 6, 2732-2744.	3.8	25
18	Selective L-nitroargininylaminopyrrolidine and L-nitroargininylaminopiperidine neuronal nitric oxide synthase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 1928-1938.	3.0	24

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19	A direct assay of butyrylcholinesterase activity using a fluorescent substrate. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8815-8820.	2.8	22
20	Precisely tuneable energy transfer system using peptoid helix-based molecular scaffold. <i>Scientific Reports</i> , 2017, 7, 4786.	3.3	22
21	Peptoid transporters: effects of cationic, amphipathic structure on their cellular uptake. <i>Molecular BioSystems</i> , 2012, 8, 2626.	2.9	21
22	Plasmon Enhanced Fluorescence Based on Porphyrin- α -Peptoid Hybridized Gold Nanoparticle Platform. <i>Small</i> , 2017, 13, 1700071.	10.0	21
23	Interplay among Conformation, Intramolecular Hydrogen Bonds, and Chameleonicity in the Membrane Permeability and Cyclophilin A Binding of Macrocyclic Peptide Cyclosporin O Derivatives. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8272-8286.	6.4	21
24	Prostate tumor specific peptide- α -peptoid hybrid prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2849-2852.	2.2	17
25	Effect of potential amine prodrugs of selective neuronal nitric oxide synthase inhibitors on blood-brain barrier penetration. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7593-7605.	3.0	16
26	Facile and controllable electrochemical fabrication of cell-adhesive polypyrrole electrodes using pyrrole-RGD peptides. <i>Biofabrication</i> , 2017, 9, 045007.	7.1	13
27	Development of a smart activity-based probe to detect subcellular activity of asparaginyl endopeptidase in living cells. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8018-8022.	2.8	13
28	Synthesis of arginine-containing hydroxamate dipeptidomimetics. <i>Tetrahedron Letters</i> , 2006, 47, 4069-4073.	1.4	11
29	Control of porphyrin interactions via structural changes of a peptoid scaffold. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9670-9679.	2.8	11
30	Metalloporphyrin Dimers Bridged by a Peptoid Helix: Host-Guest Interaction and Chiral Recognition. <i>Molecules</i> , 2018, 23, 2741.	3.8	11
31	Photosensitizer- α -peptoid conjugates for photoinactivation of Gram-negative bacteria: structure-activity relationship and mechanistic studies. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6546-6557.	2.8	10
32	Postsynthetic modification of peptoids via the $S\rightarrow M$ cross-coupling reaction. <i>Biopolymers</i> , 2016, 106, 82-88.	2.4	9
33	Peptoid Helix Displaying Flavone and Porphyrin: Synthesis and Intramolecular Energy Transfer. <i>Journal of Organic Chemistry</i> , 2020, 85, 1392-1400.	3.2	8
34	Formation of a tris(catecholato) iron(III) complex with a nature-inspired cyclic peptoid ligand. <i>Dalton Transactions</i> , 2021, 50, 3459-3463.	3.3	8
35	Activity-Based Probes for the High Temperature Requirement A Serine Proteases. <i>ACS Chemical Biology</i> , 2020, 15, 2346-2354.	3.4	7
36	Hydroxyl-terminated peptidomimetic inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 3681-3690.	3.0	6

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37	Facile method for the synthesis of triazole- and tetrazole-containing peptoids on a solid support. <i>Tetrahedron Letters</i> , 2018, 59, 3311-3316.	1.4	5
38	Development of a mass spectrometric screening assay for hepatitis B virus entry inhibitors. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112959.	2.8	5
39	Peptoid-Conjugated Magnetic Field-Sensitive Exciplex System at High and Low Solvent Polarities. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4668-4677.	4.6	5
40	Tag-Assisted Liquid-Phase Synthesis of Peptoids. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 376-379.	1.9	3
41	Self-Assembling Helical Rod-Coil Peptoid Amphiphiles. <i>Bulletin of the Korean Chemical Society</i> , 2017, 38, 38-43.	1.9	2
42	Oxopiperazine capping: Formation of oxopiperazine-containing peptoids via C-terminal cyclization. <i>Tetrahedron Letters</i> , 2018, 59, 3946-3949.	1.4	2
43	Light polarization dependency existing in the biological photosystem and possible implications for artificial antenna systems. <i>Photosynthesis Research</i> , 2020, 143, 205-220.	2.9	2
44	Entry inhibition of hepatitis B virus using cyclosporin O derivatives with peptoid side chain incorporation. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 68, 116862.	3.0	2
45	Solid-Phase Synthesis of Folate-Chlorin Conjugates for Selective Photodynamic Therapy and the Effect of Linker Variation. <i>Bulletin of the Korean Chemical Society</i> , 2016, 37, 2036-2040.	1.9	1
46	Synthesis and structure-activity relationship of mitochondria-targeting peptoids with varying hydrophobicity and cationic charge. <i>Peptide Science</i> , 0, , e24239.	1.8	1
47	Facile synthetic method for peptoids bearing multiple azoles on side chains. <i>Peptide Science</i> , 0, , .	1.8	1