

Kohei Sato

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,571
citations

471509

17
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

2115
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Assembly of Peptide Amphiphiles. <i>Accounts of Chemical Research</i> , 2017, 50, 2440-2448.	15.6	414
2	Peptide supramolecular materials for therapeutics. <i>Chemical Society Reviews</i> , 2018, 47, 7539-7551.	38.1	208
3	Supramolecular covalent hybrid polymers for light-activated mechanical actuation. <i>Nature Materials</i> , 2020, 19, 900-909.	27.5	186
4	Columnarly Assembled Liquid-Crystalline Peptidic Macrocycles Unidirectionally Orientable over a Large Area by an Electric Field. <i>Journal of the American Chemical Society</i> , 2011, 133, 13767-13769.	13.7	87
5	Homochiral supramolecular polymerization of bowl-shaped chiral macrocycles in solution. <i>Chemical Science</i> , 2014, 5, 136-140.	7.4	82
6	Ultrafast water permeation through nanochannels with a densely fluorinated interior surface. <i>Science</i> , 2022, 376, 738-743.	12.6	82
7	Supramolecular Nanostructure Activates TrkB Receptor Signaling of Neuronal Cells by Mimicking Brain-Derived Neurotrophic Factor. <i>Nano Letters</i> , 2018, 18, 6237-6247.	9.1	79
8	Programmable Assembly of Peptide Amphiphile via Noncovalent-to-Covalent Bond Conversion. <i>Journal of the American Chemical Society</i> , 2017, 139, 8995-9000.	13.7	68
9	Aptamine, an alkaloid from the sponge <i>Aaptos suberitoides</i> , functions as a proteasome inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3341-3343.	2.2	61
10	3D Printing of Supramolecular Polymer Hydrogels with Hierarchical Structure. <i>Small</i> , 2021, 17, e2005743.	10.0	54
11	Photocatalytic Aqueous CO ₂ Reduction to CO and CH ₄ Sensitized by Ullazine Supramolecular Polymers. <i>Journal of the American Chemical Society</i> , 2022, 144, 3127-3136.	13.7	43
12	Bioactive Nanofibers Induce Neural Transdifferentiation of Human Bone Marrow Mesenchymal Stem Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 41046-41055.	8.0	42
13	A synthetic ion channel with anisotropic ligand response. <i>Nature Communications</i> , 2020, 11, 2924.	12.8	36
14	Chiral Recognition of Lipid Bilayer Membranes by Supramolecular Assemblies of Peptide Amphiphiles. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2786-2792.	5.2	26
15	Synthetic Ion Channel Formed by Multiblock Amphiphile with Anisotropic Dual-Stimuli-Responsiveness. <i>Journal of the American Chemical Society</i> , 2021, 143, 1348-1355.	13.7	23
16	Supramolecular Transmembrane Ion Channels Formed by Multiblock Amphiphiles. <i>Accounts of Chemical Research</i> , 2021, 54, 3700-3709.	15.6	23
17	Calcium-Induced Morphological Transitions in Peptide Amphiphiles Detected by ¹⁹ F-Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39890-39894.	8.0	19
18	Supramolecular Mechanosensitive Potassium Channel Formed by Fluorinated Amphiphilic Cyclophane. <i>Journal of the American Chemical Society</i> , 2022, 144, 11802-11809.	13.7	17

#	ARTICLE	IF	CITATIONS
19	Imidazolinium-based Multiblock Amphiphile as Transmembrane Anion Transporter. Chemistry - an Asian Journal, 2021, 16, 147-157.	3.3	9
20	Aromatic Fluorination of Multiblock Amphiphile Enhances Its Incorporation into Lipid Bilayer Membranes. ChemistryOpen, 2020, 9, 301-303.	1.9	8
21	Calcium-induced reversible assembly of phosphorylated amphiphile within lipid bilayer membranes. Chemical Communications, 2021, 57, 4106-4109.	4.1	4
22	Self-assembling Peptides and Their Applications in Regenerative Medicine. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2019, 77, 716-717.	0.1	0