

Severin T Schneebeli

List of Publications by Year in descending order

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65
papers

3,816
citations

172457

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79
all docs

79
docs citations

79
times ranked

4721
citing authors

#	ARTICLE	IF	CITATIONS
1	Outcome-Based Redesign of Physical Chemistry Laboratories During the COVID-19 Pandemic. <i>Journal of Chemical Education</i> , 2022, 99, 639-645.	2.3	1
2	Concerted Rolling and Penetration of Peptides during Membrane Binding. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 3921-3929.	5.3	0
3	GPCR Intracellular Loop Regulation of Beta-Arrestin-Mediated Endosomal Signaling Dynamics. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1358-1373.	2.3	4
4	Chiral Auxiliaries for Stereoselective Electrophilic Aromatic Substitutions. <i>Synlett</i> , 2021, 32, 229-234.	1.8	6
5	Iterative Exponential Growth of Oxygen-Linked Aromatic Polymers Driven by Nucleophilic Aromatic Substitution Reactions. <i>Frontiers in Chemistry</i> , 2021, 9, 620017.	3.6	1
6	Carbonyl-to-Alkyne Electron Donation Effects in up to 10-nm-Long, Unimolecular Oligo(p-phenylene) Tj ETQq0 0 0 r gBT /Overlock 10 Tf 5	2.0	0
7	Enhanced sampling protocol to elucidate fusion peptide opening of SARS-CoV-2 spike protein. <i>Biophysical Journal</i> , 2021, 120, 2848-2858.	0.5	7
8	A computational study of cooperative binding to multiple SARS-CoV-2 proteins. <i>Scientific Reports</i> , 2021, 11, 16307.	3.3	7
9	Molecular Basis for Environment Sensing by a Nucleoid-Structuring Bacterial Protein Filament. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7878-7884.	4.6	4
10	Selective Monofunctionalization Enabled by Reactionâ€œHistoryâ€œ-Dependent Communication in Catalytic Rotaxanes. <i>Angewandte Chemie</i> , 2020, 132, 16811-16817.	2.0	3
11	Aggregation State of Synergistic Antimicrobial Peptides. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9501-9506.	4.6	13
12	Selective Monofunctionalization Enabled by Reactionâ€œHistoryâ€œ-Dependent Communication in Catalytic Rotaxanes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16668-16674.	13.8	10
13	Size-Selective Catalytic Polymer Acylation with a Molecular Tetrahedron. <i>CheM</i> , 2020, 6, 1469-1494.	11.7	16
14	Machine Learning in a Molecular Modeling Course for Chemistry, Biochemistry, and Biophysics Students. <i>The Biophysicist</i> , 2020, 1, .	0.3	2
15	Targeting the PAC1 Receptor for Neurological and Metabolic Disorders. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1399-1417.	2.1	43
16	Precise molecular shape control of linear and branched strips with chirality-assisted synthesis. <i>Supramolecular Chemistry</i> , 2019, 31, 565-574.	1.2	7
17	Chemical Exploration with Virtual Reality in Organic Teaching Laboratories. <i>Journal of Chemical Education</i> , 2019, 96, 1961-1966.	2.3	75
18	Top-down Multiscale Approach To Simulate Peptide Self-Assembly from Monomers. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 1514-1522.	5.3	10

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19	Innenrücktitelbild: Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach (Angew. Chem. 4/2019). Angewandte Chemie, 2019, 131, 1231-1231.	2.0	0
20	Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach. Angewandte Chemie - International Edition, 2019, 58, 1035-1040.	13.8	19
21	Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach. Angewandte Chemie, 2019, 131, 1047-1052.	2.0	8
22	Effect of Large Electrolyte Anions on the Sequential Oxidations of Bis(fulvalene)diiron Attached to Glassy Carbon by an Ethynyl Linkage. Langmuir, 2018, 34, 1327-1339.	3.5	6
23	Capturing the multiscale dynamics of membrane protein complexes with all-atom, mixed-resolution, and coarse-grained models. Physical Chemistry Chemical Physics, 2017, 19, 9181-9188.	2.8	13
24	CrystalüPackingüDriven Enrichment of Atropoisomers. Angewandte Chemie - International Edition, 2017, 56, 7097-7101.	13.8	11
25	CrystalüPackingüDriven Enrichment of Atropoisomers. Angewandte Chemie, 2017, 129, 7203-7207.	2.0	4
26	Precise through-space control of an abiotic electrophilic aromatic substitution reaction. Nature Communications, 2017, 8, 14840.	12.8	13
27	Controlled Self-Assembly inside C-Shaped Polyaromatic Strips. Synlett, 2016, 27, 2145-2149.	1.8	8
28	Anodic Methods for Covalent Attachment of Ethynylferrocenes to Electrode Surfaces: Comparison of Ethynyl Activation Processes. Langmuir, 2016, 32, 1645-1657.	3.5	14
29	Cooperative Reactivity in an Extended-Viologen-Based Cyclophane. Journal of the American Chemical Society, 2016, 138, 3667-3670.	13.7	16
30	Innentitelbild: Regulating Molecular Recognition with C-Shaped Strips Attained by Chirality-Assisted Synthesis (Angew. Chem. 43/2015). Angewandte Chemie, 2015, 127, 12700-12700.	2.0	0
31	Regulating Molecular Recognition with CüShaped Strips Attained by ChiralityüAssisted Synthesis. Angewandte Chemie - International Edition, 2015, 54, 12772-12776.	13.8	41
32	Controlling association kinetics in the formation of donorüacceptor pseudorotaxanes. Tetrahedron Letters, 2015, 56, 3591-3594.	1.4	22
33	Melittin Aggregation in Aqueous Solutions: Insight from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2015, 119, 10390-10398.	2.6	38
34	An artificial molecular pump. Nature Nanotechnology, 2015, 10, 547-553.	31.5	420
35	Ultrafast Photoinduced Symmetry-Breaking Charge Separation and Electron Sharing in Perylenediimide Molecular Triangles. Journal of the American Chemical Society, 2015, 137, 13236-13239.	13.7	130
36	Second-Sphere Coordination Revisited. Chimia, 2014, 68, 315.	0.6	42

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37	Gated Electron Sharing Within Dynamic Naphthalene Diimide-Based Oligorotaxanes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4442-4449.	13.8	57
38	Topological isomerism in a chiral handcuff catenane. <i>Chemical Science</i> , 2014, 5, 90-100.	7.4	24
39	The topological and chemical implications of introducing oriented rings to [3]catenanes. <i>Supramolecular Chemistry</i> , 2014, 26, 192-201.	1.2	5
40	An Electrochemically and Thermally Switchable Donor-Acceptor [2]Daisy Chain Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1953-1958.	13.8	62
41	Assembly of Supramolecular Nanotubes from Molecular Triangles and 1,2-Dihalohydrocarbons. <i>Journal of the American Chemical Society</i> , 2014, 136, 16651-16660.	13.7	81
42	A Square-Planar Tetracoordinate Oxygen-Containing Ti_4O_{17} Cluster Stabilized by Two 1,1'-Ferrocenedicarboxylato Ligands. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9193-9197.	13.8	41
43	Synthesis and Structural Data of Tetrabenzo[8]circulene. <i>Chemistry - A European Journal</i> , 2014, 20, 3705-3711.	3.3	121
44	Electron Delocalization in a Rigid Cofacial Naphthalene-1,8:4,5-bis(dicarboximide) Dimer. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9476-9481.	13.8	122
45	Amino-Functionalized Pillar[5]arene. <i>Chemistry - A European Journal</i> , 2014, 20, 10996-11004.	3.3	62
46	Redox Switchable Daisy Chain Rotaxanes Driven by Radical-Radical Interactions. <i>Journal of the American Chemical Society</i> , 2014, 136, 4714-4723.	13.7	122
47	Functionalizing Pillar[n]arenes. <i>Accounts of Chemical Research</i> , 2014, 47, 2631-2642.	15.6	479
48	Electron Sharing and Anion Recognition in Molecular Triangular Prisms. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 13100-13104.	13.8	160
49	Asararenes: A Family of Large Aromatic Macrocycles. <i>Chemistry - A European Journal</i> , 2013, 19, 3860-3868.	3.3	62
50	Stereochemical inversion in difunctionalised pillar[5]arenes. <i>Supramolecular Chemistry</i> , 2013, 25, 596-608.	1.2	32
51	Rücktitelbild: Electron Sharing and Anion Recognition in Molecular Triangular Prisms (Angew.) Tj ETQq1 1 0.784314 rgBT ₀ /Overlock	2.0	20
52	The Chameleonic Nature of Diazaperopyrenium Recognition Processes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11872-11877.	13.8	25
53	Polarized Raman Spectroscopy of Oligothiophene Crystals To Determine Unit Cell Orientation. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6804-6816.	2.5	12
54	Probing the conductance superposition law in single-molecule circuits with parallel paths. <i>Nature Nanotechnology</i> , 2012, 7, 663-667.	31.5	302

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55	High-Contrast Photopatterning of Photoluminescence within Quantum Dot Films through Degradation of a Charge-Transfer Quencher. <i>Advanced Materials</i> , 2012, 24, 3617-3621.	21.0	20
56	High-Contrast Photopatterning of Photoluminescence within Quantum Dot Films through Degradation of a Charge-Transfer Quencher (<i>Adv. Mater.</i> 27/2012). <i>Advanced Materials</i> , 2012, 24, 3616-3616.	21.0	0
57	Single-Molecule Conductance through Multiple π -Stacked Benzene Rings Determined with Direct Electrode-to-Benzene Ring Connections. <i>Journal of the American Chemical Society</i> , 2011, 133, 2136-2139.	13.7	176
58	Parameterization of a B3LYP Specific Correction for Noncovalent Interactions and Basis Set Superposition Error on a Gigantic Data Set of CCSD(T) Quality Noncovalent Interaction Energies. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 658-668.	5.3	73
59	Highly Conducting π -Conjugated Molecular Junctions Covalently Bonded to Gold Electrodes. <i>Journal of the American Chemical Society</i> , 2011, 133, 17160-17163.	13.7	169
60	IDSite: An Accurate Approach to Predict P450-Mediated Drug Metabolism. <i>Journal of Chemical Theory and Computation</i> , 2011, 7, 3829-3845.	5.3	44
61	In situ formation of highly conducting covalent Au-C contacts for single-molecule junctions. <i>Nature Nanotechnology</i> , 2011, 6, 353-357.	31.5	235
62	Structure-property relationships in molecular wires. <i>Tetrahedron</i> , 2011, 67, 10171-10178.	1.9	28
63	The Electrical Properties of Biphenylenes. <i>Organic Letters</i> , 2010, 12, 4114-4117.	4.6	34
64	Quantitative DFT Modeling of the Enantiomeric Excess for Dioxirane-Catalyzed Epoxidations. <i>Journal of the American Chemical Society</i> , 2009, 131, 3965-3973.	13.7	85
65	Nuclear Magnetic Resonance-Based Quality Assessment of Vermont-Grown Saffron (<i>Crocus sativus</i>)	11.0	10