Severin T Schneebeli

List of Publications by Year
in descending order

65 papers	3,816 citations	172457 29 h-index	123424 61 g-index
79 all docs	79 docs citations	79 times ranked	4721 citing authors

#	Article	IF	Citations
1	Functionalizing Pillar[n]arenes. Accounts of Chemical Research, 2014, 47, 2631-2642.	15.6	479
2	An artificial molecular pump. Nature Nanotechnology, 2015, 10, 547-553.	31.5	420
3	Probing the conductance superposition law in single-molecule circuits with parallel paths. Nature Nanotechnology, 2012, 7, 663-667.	31.5	302
4	In situ formation of highly conducting covalent Auâ€“C contacts for single-molecule junctions. Nature Nanotechnology, 2011, 6, 353-357.	31.5	235
5	Single-Molecule Conductance through Multiple Ï€âˆ’Ï€-Stacked Benzene Rings Determined with Direct Electrode-to-Benzene Ring Connections. Journal of the American Chemical Society, 2011, 133, 2136-2139.	13.7	176
6	Highly Conducting Ï€-Conjugated Molecular Junctions Covalently Bonded to Gold Electrodes. Journal of the American Chemical Society, 2011, 133, 17160-17163.	13.7	169
7	Electron Sharing and Anionâ€“Ï€ Recognition in Molecular Triangular Prisms. Angewandte Chemie - International Edition, 2013, 52, 13100-13104.	13.8	160
8	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
9	Electron Delocalization in a Rigid Cofacial Naphthaleneâ€1,8:4,5â€bis(dicarboximide) Dimer. Angewandte Chemie - International Edition, 2014, 53, 9476-9481.	13.8	122
10	Redox Switchable Daisy Chain Rotaxanes Driven by Radicalâ€“Radical Interactions. Journal of the American Chemical Society, 2014, 136, 4714-4723.	13.7	122
11	Synthesis and Structural Data of Tetrabenzo[8]circulene. Chemistry - A European Journal, 2014, 20, 3705-3711.	3.3	121
12	Quantitative DFT Modeling of the Enantiomeric Excess for Dioxirane-Catalyzed Epoxidations. Journal of the American Chemical Society, 2009, 131, 3965-3973.	13.7	85
13	Assembly of Supramolecular Nanotubes from Molecular Triangles and 1,2-Dihalohydrocarbons. Journal of the American Chemical Society, 2014, 136, 16651-16660.	13.7	81
14	Chemical Exploration with Virtual Reality in Organic Teaching Laboratories. Journal of Chemical Education, 2019, 96, 1961-1966.	2.3	75
15	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. Journal of Chemical Theory and Computation, 2011, 7, 658-668.	5.3	73
16	Asararenesâ€”A Family of Large Aromatic Macrocycles. Chemistry - A European Journal, 2013, 19, 3860-3868.	3.3	62
17	An Electrochemically and Thermally Switchable Donorâ€“Acceptor [c2]Daisy Chain Rotaxane. Angewandte Chemie - International Edition, 2014, 53, 1953-1958.	13.8	62
18	Aminoâ€Functionalized Pillar[5]arene. Chemistry - A European Journal, 2014, 20, 10996-11004.	3.3	62

#	Article	IF	Citations
19	Gated Electron Sharing Within Dynamic Naphthalene Diimideâ€Based Oligorotaxanes. Angewandte Chemie - International Edition, 2014, 53, 4442-4449.	13.8	57
20	IDSite: An Accurate Approach to Predict P450-Mediated Drug Metabolism. Journal of Chemical Theory and Computation, 2011, 7, 3829-3845.	5.3	44
21	Targeting the PAC1 Receptor for Neurological and Metabolic Disorders. Current Topics in Medicinal Chemistry, 2019, 19, 1399-1417.	2.1	43
22	Second-Sphere Coordination Revisited. Chimia, 2014, 68, 315.	0.6	42
23	A Squareâ€Planar Tetracoordinate Oxygenâ€Containing Ti₄O₁₇ Cluster Stabilized by Two 1,1â€²â€Ferrocenedicarboxylato Ligands. Angewandte Chemie - International Edition, 2014, 53, 9193-9197.	13.8	41
24	Regulating Molecular Recognition with Câ€Shaped Strips Attained by Chiralityâ€Assisted Synthesis. Angewandte Chemie - International Edition, 2015, 54, 12772-12776.	13.8	41
25	Melittin Aggregation in Aqueous Solutions: Insight from Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2015, 119, 10390-10398.	2.6	38
26	The Electrical Properties of Biphenylenes. Organic Letters, 2010, 12, 4114-4117.	4.6	34
27	Stereochemical inversion in difunctionalised pillar[5]arenes. Supramolecular Chemistry, 2013, 25, 596-608.	1.2	32
28	Structureâ€“property relationships in molecular wires. Tetrahedron, 2011, 67, 10171-10178.	1.9	28
29	The Chameleonic Nature of Diazaperopyrenium Recognition Processes. Angewandte Chemie - International Edition, 2012, 51, 11872-11877.	13.8	25
30	Topological isomerism in a chiral handcuff catenane. Chemical Science, 2014, 5, 90-100.	7.4	24
31	Controlling association kinetics in the formation of donorâ€“acceptor pseudorotaxanes. Tetrahedron Letters, 2015, 56, 3591-3594.	1.4	22
32	Highâ€Contrast Photopatterning of Photoluminescence within Quantum Dot Films through Degradation of a Chargeâ€Transfer Quencher. Advanced Materials, 2012, 24, 3617-3621.	21.0	20
33	Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach. Angewandte Chemie - International Edition, 2019, 58, 1035-1040.	13.8	19
34	Cooperative Reactivity in an Extended-Viologen-Based Cyclophane. Journal of the American Chemical Society, 2016, 138, 3667-3670.	13.7	16
35	Size-Selective Catalytic Polymer Acylation with a Molecular Tetrahedron. CheM, 2020, 6, 1469-1494.	11.7	16
36	Anodic Methods for Covalent Attachment of Ethynylferrocenes to Electrode Surfaces: Comparison of Ethynyl Activation Processes. Langmuir, 2016, 32, 1645-1657.	3.5	14

#	Article	IF	Citations
37	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
38	Precise through-space control of an abiotic electrophilic aromatic substitution reaction. Nature Communications, 2017, 8, 14840.	12.8	13
39	Aggregation State of Synergistic Antimicrobial Peptides. Journal of Physical Chemistry Letters, 2020, 11, 9501-9506.	4.6	13
40	Polarized Raman Spectroscopy of Oligothiophene Crystals To Determine Unit Cell Orientation. Journal of Physical Chemistry A, 2012, 116, 6804-6816.	2.5	12
41	Crystalâ€Packingâ€Driven Enrichment of Atropoisomers. Angewandte Chemie - International Edition, 2017, 56, 7097-7101.	13.8	11
42	Top-down Multiscale Approach To Simulate Peptide Self-Assembly from Monomers. Journal of Chemical Theory and Computation, 2019, 15, 1514-1522.	5.3	10
43	Selective Monofunctionalization Enabled by Reactionâ€Historyâ€Dependent Communication in Catalytic Rotaxanes. Angewandte Chemie - International Edition, 2020, 59, 16668-16674.	13.8	10
44	Controlled Self-Assembly inside C-Shaped Polyaromatic Strips. Synlett, 2016, 27, 2145-2149.	1.8	8
45	Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach. Angewandte Chemie, 2019, 131, 1047-1052.	2.0	8
46	Precise molecular shape control of linear and branched strips with chirality-assisted synthesis. Supramolecular Chemistry, 2019, 31, 565-574.	1.2	7
47	Enhanced sampling protocol to elucidate fusion peptide opening of SARS-CoV-2 spike protein. Biophysical Journal, 2021, 120, 2848-2858.	0.5	7
48	A computational study of cooperative binding to multiple SARS-CoV-2 proteins. Scientific Reports, 2021, 11, 16307.	3.3	7
49	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
50	Chiral Auxiliaries for Stereoselective Electrophilic Aromatic Substitutions. Synlett, 2021, 32, 229-234.	1.8	6
51	The topological and chemical implications of introducing oriented rings to [3]catenanes. Supramolecular Chemistry, 2014, 26, 192-201.	1.2	5
52	Crystalâ€Packingâ€Driven Enrichment of Atropoisomers. Angewandte Chemie, 2017, 129, 7203-7207.	2.0	4
53	Molecular Basis for Environment Sensing by a Nucleoid-Structuring Bacterial Protein Filament. Journal of Physical Chemistry Letters, 2021, 12, 7878-7884.	4.6	4
54	GPCR Intracellular Loop Regulation of Beta-Arrestin-Mediated Endosomal Signaling Dynamics. Journal of Molecular Neuroscience, 2022, 72, 1358-1373.	2.3	4

#	Article	IF	Citations
55	Selective Monofunctionalization Enabled by Reactionâ€Historyâ€Dependent Communication in Catalytic Rotaxanes. Angewandte Chemie, 2020, 132, 16811-16817.	2.0	3
56	Machine Learning in a Molecular Modeling Course for Chemistry, Biochemistry, and Biophysics Students. The Biophysicist, 2020, 1, .	0.3	2
57	Iterative Exponential Growth of Oxygen-Linked Aromatic Polymers Driven by Nucleophilic Aromatic Substitution Reactions. Frontiers in Chemistry, 2021, 9, 620017.	3.6	1
58	Outcome-Based Redesign of Physical Chemistry Laboratories During the COVID-19 Pandemic. Journal of Chemical Education, 2022, 99, 639-645.	2.3	1
59	High-Contrast Photopatterning of Photoluminescence within Quantum Dot Films through Degradation of a Charge-Transfer Quencher (Adv. Mater. 27/2012). Advanced Materials, 2012, 24, 3616-3616.	21.0	0
60	RÃ¼cktitelbild: Electron Sharing and Anion-Ï€ Recognition in Molecular Triangular Prisms (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	0
61	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
62	InnenrÃ¼cktitelbild: Enantioselective Electrophilic Aromatic Nitration: A Chiral Auxiliary Approach (Angew. Chem. 4/2019). Angewandte Chemie, 2019, 131, 1231-1231.	2.0	0
63	Carbonyl-to-Alkyne Electron Donation Effects in up to 10-nm-Long, Unimolecular Oligo(p-phenylene) Tj ETQq1 1 0.784314 rgBT /Over	2.0	0
64	Nuclear Magnetic Resonance-Based Quality Assessment of Vermont-Grown Saffron (Crocus sativus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.7	0
65	Concerted Rolling and Penetration of Peptides during Membrane Binding. Journal of Chemical Theory and Computation, 2022, 18, 3921-3929.	5.3	0