SÃ©bastien Ulrich

List of Publications by Year
in descending order

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51 papers	1,585 citations	331538 21 h-index	302012 39 g-index
62 all docs	62 docs citations	62 times ranked	1949 citing authors

#	Article	IF	Citations
1	Hierarchical self-assembly of aromatic peptide conjugates into supramolecular polymers: it takes two to tango. Chemical Science, 2022, 13, 909-933.	3.7	9
2	Quadruple Functionalization of a Tetraphenylethylene Aromatic Scaffold with Ynamides or Tetracyanobutadienes: Synthesis and Optical Properties. European Journal of Organic Chemistry, 2022, 2022, .	1.2	7
3	Hierarchical Self-Assembly and Multidynamic Responsiveness of Fluorescent Dynamic Covalent Networks Forming Organogels. Biomacromolecules, 2022, 23, 431-442.	2.6	10
4	Squaleneâ€“polyethyleneimineâ€“dynamic constitutional frameworks enhancing the enzymatic activity of carbonic anhydrase. Catalysis Science and Technology, 2022, 12, 3094-3101.	2.1	5
5	Cellâ€Selective siRNA Delivery Using Glycosylated Dynamic Covalent Polymers Selfâ€Assembled Inâ€…Situ by RNA Templating. Angewandte Chemie - International Edition, 2021, 60, 5783-5787.	7.2	14
6	Cellâ€Selective siRNA Delivery Using Glycosylated Dynamic Covalent Polymers Selfâ€Assembled Inâ€…Situ by RNA Templating. Angewandte Chemie, 2021, 133, 5847-5851.	1.6	4
7	Synthesis, Selfâ€Assembly, and Nucleic Acid Recognition of an Acylhydrazoneâ€Conjugated Cationic Tetraphenylethene Ligand. European Journal of Organic Chemistry, 2021, 2021, 1123-1135.	1.2	4
8	Constitutional Dynamic Inhibition/Activation of Carbonic Anhydrases. ChemPlusChem, 2021, 86, 1500-1510.	1.3	5
9	Constitutional Dynamic Inhibition/Activation of Carbonic Anhydrases. ChemPlusChem, 2021, 86, 1499.	1.3	1
10	Dynamic covalent polymers for biomedical applications. Materials Chemistry Frontiers, 2020, 4, 489-506.	3.2	94
11	Cationic dynamic covalent polymers for gene transfection. Journal of Materials Chemistry B, 2020, 8, 9385-9403.	2.9	24
12	From Interaction to Function in DNAâ€Templated Supramolecular Selfâ€Assemblies. ChemistryOpen, 2020, 9, 480-498.	0.9	19
13	Combination of photodynamic therapy and gene silencing achieved through the hierarchical self-assembly of porphyrin-siRNA complexes. International Journal of Pharmaceutics, 2019, 569, 118585.	2.6	20
14	Tuning the Solubility of Self-Assembled Fluorescent Aromatic Cages Using Functionalized Amino Acid Building Blocks. Frontiers in Chemistry, 2019, 7, 503.	1.8	16
15	A Cationic Tetraphenylethene as a Light-Up Supramolecular Probe for DNA G-Quadruplexes. Frontiers in Chemistry, 2019, 7, 493.	1.8	17
16	Growing Prospects of Dynamic Covalent Chemistry in Delivery Applications. Accounts of Chemical Research, 2019, 52, 510-519.	7.6	158
17	Selfâ€assembly and chiroptical properties in supramolecular complexes of adenosine phosphates and guanidiniumâ€bispyrene. Chirality, 2018, 30, 719-729.	1.3	0
18	Switching Multivalent DNA Complexation using Metalâ€Controlled Cationic Supramolecular Selfâ€Assemblies. Chemistry - A European Journal, 2018, 24, 1518-1521.	1.7	14

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19	Photomodulation of DNAâ€Templated Supramolecular Assemblies. Chemistry - A European Journal, 2018, 24, 706-714.	1.7	10
20	Biomolecular dynamic covalent polymers for DNA complexation and siRNA delivery. Journal of Materials Chemistry B, 2018, 6, 7239-7246.	2.9	18
21	Multivalent Metallosupramolecular Assemblies as Effective DNA Binding Agents. Chemistry - A European Journal, 2018, 24, 10802-10811.	1.7	33
22	Effective Access to Multivalent Inhibitors of Carbonic Anhydrases Promoted by Peptide Bioconjugation. Chemistry - A European Journal, 2017, 23, 6788-6794.	1.7	21
23	Generation of Multicomponent Molecular Cages using Simultaneous Dynamic Covalent Reactions. Chemistry - A European Journal, 2017, 23, 18010-18018.	1.7	40
24	Polyhedral Oligomeric Silsesquioxane (POSS) Bearing Glyoxylic Aldehyde as Clickable Platform Towards Multivalent Conjugates. Chemistry - A European Journal, 2017, 23, 17867-17869.	1.7	5
25	Oneâ€Pot Selfâ€Assembly of Peptideâ€Based Cageâ€Type Nanostructures Using Orthogonal Ligations. Chemistry - A European Journal, 2017, 23, 14323-14331.	1.7	11
26	Functional interplay between NTP leaving group and base pair recognition during RNA polymerase II nucleotide incorporation revealed by methylene substitution. Nucleic Acids Research, 2016, 44, 3820-3828.	6.5	4
27	Bioactive clusters promoting cell penetration and nucleic acid complexation for drug and gene delivery applications: from designed to self-assembled and responsive systems. Chemical Communications, 2016, 52, 4257-4273.	2.2	35
28	A metal-free synthetic approach to peptide-based iminosugar clusters as novel multivalent glycosidase inhibitors. RSC Advances, 2016, 6, 2210-2216.	1.7	17
29	Fluorescent Silica Nanoparticles with Multivalent Inhibitory Effects towards Carbonic Anhydrases. Chemistry - A European Journal, 2015, 21, 10249-10249.	1.7	1
30	Fluorescent Silica Nanoparticles with Multivalent Inhibitory Effects towards Carbonic Anhydrases. Chemistry - A European Journal, 2015, 21, 10306-10309.	1.7	23
31	A Dynamic Combinatorial Approach for Identifying Side Groups that Stabilize DNA-Templated Supramolecular Self-Assemblies. International Journal of Molecular Sciences, 2015, 16, 3609-3625.	1.8	7
32	Synthesis of Î±-PNA containing a functionalized triazine as nucleobase analogue. Tetrahedron Letters, 2015, 56, 2319-2323.	0.7	2
33	Dynamic Expression of DNA Complexation with Selfâ€assembled Biomolecular Clusters. Angewandte Chemie - International Edition, 2015, 54, 10183-10187.	7.2	47
34	Multivalent DNA recognition by self-assembled clusters: deciphering structural effects by fragments screening and evaluation as siRNA vectors. Organic and Biomolecular Chemistry, 2015, 13, 9427-9438.	1.5	27
35	Emerging trends in enzyme inhibition by multivalent nanoconstructs. Organic and Biomolecular Chemistry, 2015, 13, 9894-9906.	1.5	81
36	Oxime Ligation: A Chemoselective Clickâ€Type Reaction for Accessing Multifunctional Biomolecular Constructs. Chemistry - A European Journal, 2014, 20, 34-41.	1.7	206

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37	Probing the importance of Ï€-stacking interactions in DNA-templated self-assembly of bisfunctionalized guanidinium compounds. Chemical Communications, 2014, 50, 14257-14260.	2.2	35
38	Degradable Hybrid Materials Based on Cationic Acylhydrazone Dynamic Covalent Polymers Promote DNA Complexation through Multivalent Interactions. Chemistry - A European Journal, 2014, 20, 14705-14714.	1.7	46
39	Probing secondary interactions in biomolecular recognition by dynamic combinatorial chemistry. Chemical Communications, 2014, 50, 5810.	2.2	58
40	Theoretical and Structural Analysis of Long Cï£¿C Bonds in the Adducts of Polycyanoethylene and Anthracene Derivatives and Their Connection to the Reversibility of Dielsâ€“Alder Reactions. Chemistry - A European Journal, 2014, 20, 1073-1080.	1.7	7
41	Engineering of biomolecules for sensing and imaging applications. Journal of Drug Delivery Science and Technology, 2013, 23, 5-16.	1.4	5
42	Dissecting Chemical Interactions Governing RNA Polymerase II Transcriptional Fidelity. Journal of the American Chemical Society, 2012, 134, 8231-8240.	6.6	34
43	Biodistribution and Pharmacokinetic Studies of a Porphyrin Dimer Photosensitizer (Oxdime) by Fluorescence Imaging and Spectroscopy in Mice Bearing Xenograft Tumors. Photochemistry and Photobiology, 2012, 88, 1531-1538.	1.3	8
44	Nonpolar nucleosides alter RNA Polymerase II NTP specificity by disrupting hydrogen bonding and base stacking. FASEB Journal, 2012, 26, .	0.2	0
45	Importance of Steric Effects on the Efficiency and Fidelity of Transcription by T7 RNA Polymerase. Biochemistry, 2011, 50, 10343-10349.	1.2	16
46	Metalloâ€Controlled Dynamic Molecular Tweezers: Design, Synthesis, and Selfâ€Assembly by Metalâ€Ion Coordination. European Journal of Inorganic Chemistry, 2010, 2010, 1913-1928.	1.0	53
47	Adaptation and Optical Signal Generation in a Constitutional Dynamic Network. Chemistry - A European Journal, 2009, 15, 5640-5645.	1.7	53
48	Reversible constitutional switching between macrocycles and polymers induced by shape change in a dynamic covalent system. New Journal of Chemistry, 2009, 33, 271.	1.4	58
49	Adaptation to Shape Switching by Component Selection in a Constitutional Dynamic System. Journal of the American Chemical Society, 2009, 131, 5546-5559.	6.6	90
50	Reversible Switching between Macrocyclic and Polymeric States by Morphological Control in a Constitutional Dynamic System. Angewandte Chemie - International Edition, 2008, 47, 2240-2243.	7.2	69
51	Reversible Switching between Macrocyclic and Polymeric States by Morphological Control in a Constitutional Dynamic System. Angewandte Chemie - International Edition, 2008, 47, 4462-4462.	7.2	1