

Steven Cobb

List of Publications by Year in descending order

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85
papers

2,549
citations

172457

29
h-index

214800

47
g-index

95
all docs

95
docs citations

95
times ranked

3387
citing authors

#	ARTICLE	IF	CITATIONS
1	Biosynthesis of an organofluorine molecule. <i>Nature</i> , 2002, 416, 279-279.	27.8	367
2	¹⁹ F NMR applications in chemical biology. <i>Journal of Fluorine Chemistry</i> , 2009, 130, 132-143.	1.7	148
3	Peptide-functionalized gold nanoparticles: versatile biomaterials for diagnostic and therapeutic applications. <i>Biomaterials Science</i> , 2017, 5, 872-886.	5.4	137
4	The Fluorinase from <i>Streptomyces cattleya</i> Is Also a Chlorinase. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 759-762.	13.8	98
5	Fluorinase mediated C- ¹⁸ F bond formation, an enzymatic tool for PET labelling. <i>Chemical Communications</i> , 2006, , 652.	4.1	78
6	Pep-Calc.com: a set of web utilities for the calculation of peptide and peptoid properties and automatic mass spectral peak assignment. <i>Journal of Computer-Aided Molecular Design</i> , 2016, 30, 271-277.	2.9	78
7	Blending Gelators to Tune Gel Structure and Probe Anion-Induced Disassembly. <i>Chemistry - A European Journal</i> , 2014, 20, 279-291.	3.3	69
8	Bifunctional up-converting lanthanide nanoparticles for selective in vitro imaging and inhibition of cyclin D as anti-cancer agents. <i>Journal of Materials Chemistry B</i> , 2014, 2, 84-91.	5.8	67
9	Recent Advances in the Synthesis of Peptoid Macrocycles. <i>Chemistry - A European Journal</i> , 2018, 24, 7560-7573.	3.3	65
10	Cell-Free Biosynthesis of Fluoroacetate and 4-Fluorothreonine in <i>Streptomyces cattleya</i> . <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3913-3915.	13.8	49
11	Excited State Dynamics of the Isolated Green Fluorescent Protein Chromophore Anion Following UV Excitation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 3982-3987.	2.6	49
12	Unusual Magnetic Field Responsive Circularly Polarized Luminescence Probes with Highly Emissive Chiral Europium(III) Complexes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1004-1010.	13.8	49
13	Spermicidal bacteriocins: Lacticin 3147 and subtilisin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 3103-3106.	2.2	45
14	¹⁹ F NMR as a tool in chemical biology. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 293-318.	2.2	45
15	Exploring the links between peptoid antibacterial activity and toxicity. <i>MedChemComm</i> , 2017, 8, 886-896.	3.4	43
16	A ¹⁹ F NMR study of fluorobenzoate biodegradation by <i>Sphingomonas</i> sp. HB-1. <i>FEMS Microbiology Letters</i> , 2004, 237, 355-361.	1.8	42
17	A concise stereoselective synthesis of orthogonally protected lanthionine and β^2 -methylanthionine. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1031-1038.	2.8	42
18	Negishi cross-couplings in the synthesis of amino acids. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 10-20.	2.8	41

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19	Total chemical synthesis of lassomycin and lassomycin-amide. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4534-4541.	2.8	38
20	Communication: Autodetachment versus internal conversion from the S1 state of the isolated GFP chromophore anion. <i>Journal of Chemical Physics</i> , 2013, 139, 071104.	3.0	37
21	Recent advances in the development of anti-infective peptoids. <i>Chemical Communications</i> , 2020, 56, 11158-11168.	4.1	37
22	Substrate specificity in enzymatic fluorination. The fluorinase from <i>Streptomyces cattleya</i> accepts 2'-deoxyadenosine substrates. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1458.	2.8	35
23	Stabilising Peptoid Helices Using Non-Chiral Fluoroalkyl Monomers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10549-10553.	13.8	35
24	2,2,2-Trifluoroethanol as a solvent to control nucleophilic peptide arylation. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4081-4085.	2.8	34
25	Fluorinated Aromatic Monomers as Building Blocks To Control \pm -Peptoid Conformation and Structure. <i>Journal of the American Chemical Society</i> , 2019, 141, 3430-3434.	13.7	33
26	The application of perfluoroheteroaromatic reagents in the preparation of modified peptide systems. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4086-4095.	2.8	32
27	Identification of 5-fluoro-5-deoxy-d-ribose-1-phosphate as an intermediate in fluorometabolite biosynthesis in <i>Streptomyces cattleya</i> . <i>Chemical Communications</i> , 2004, , 592.	4.1	31
28	Peptoid Efficacy against Polymicrobial Biofilms Determined by Using Propidium Monoazide-Modified Quantitative PCR. <i>ChemBioChem</i> , 2017, 18, 111-118.	2.6	31
29	Studies on the antileishmanial properties of the antimicrobial peptides temporin A, B and 1Sa. <i>Journal of Peptide Science</i> , 2011, 17, 751-755.	1.4	30
30	Tetrafluoropyridyl (TFP): a general phenol protecting group readily cleaved under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2110-2115.	2.8	29
31	Carboxylic Acid Deoxyfluorination and One-Pot Amide Bond Formation Using Pentafluoropyridine (PFP). <i>Organic Letters</i> , 2021, 23, 5793-5798.	4.6	29
32	Investigating the Anti-Leishmanial Effects of Linear Peptoids. <i>ChemMedChem</i> , 2015, 10, 233-237.	3.2	27
33	EBNA1-targeted probe for the imaging and growth inhibition of tumours associated with the Epstein-Barr virus. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	27
34	\pm -Isoform specific erbium complexes highly specific for bladder cancer imaging and photodynamic therapy. <i>Chemical Communications</i> , 2017, 53, 557-560.	4.1	24
35	The Role of Phosphoglycans in the Susceptibility of <i>Leishmania mexicana</i> to the Temporin Family of Anti-Microbial Peptides. <i>Molecules</i> , 2015, 20, 2775-2785.	3.8	23
36	Reactivation of Epstein-Barr virus by a dual-responsive fluorescent EBNA1-targeting agent with Zn ²⁺ -chelating function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26614-26624.	7.1	22

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37	Two-photon induced responsive fluorescent emissive detection of Cyclin A with a europium-chelating peptide. <i>Chemical Communications</i> , 2011, 47, 8052.	4.1	20
38	Synthesis of complex unnatural fluorine-containing amino acids. <i>Journal of Fluorine Chemistry</i> , 2020, 239, 109630.	1.7	20
39	A C-terminal CXCL8 peptide based on chemokine-glycosaminoglycan interactions reduces neutrophil adhesion and migration during inflammation. <i>Immunology</i> , 2019, 157, 173-184.	4.4	19
40	Enlarging the chemical space of anti-leishmanials: a structure-activity relationship study of peptoids against <i>Leishmania mexicana</i> , a causative agent of cutaneous leishmaniasis. <i>MedChemComm</i> , 2016, 7, 799-805.	3.4	18
41	The methyltransferase SET9 regulates TGF B-1 activation of renal fibroblasts via interaction with SMAD3. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	18
42	Fengycin A Analogues with Enhanced Chemical Stability and Antifungal Properties. <i>Organic Letters</i> , 2021, 23, 4672-4676.	4.6	18
43	Synthesis and properties of MIDA boronate containing aromatic amino acids: New peptide building blocks. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1864.	2.8	17
44	Log <i>D</i> versus HPLC derived hydrophobicity: The development of predictive tools to aid in the rational design of bioactive peptoids. <i>Biopolymers</i> , 2017, 108, e23014.	2.4	17
45	Antimicrobial peptides for leishmaniasis. <i>Current Opinion in Investigational Drugs</i> , 2010, 11, 868-75.	2.3	16
46	Novel fluorinated lipopeptides from <i>Bacillus</i> sp. CS93 via precursor-directed biosynthesis. <i>Amino Acids</i> , 2014, 46, 2745-2752.	2.7	15
47	Synthesis of Antibacterial Nisin-Peptoid Hybrids Using Click Methodology. <i>Molecules</i> , 2018, 23, 1566.	3.8	15
48	Synthesis of biaryl-linked cyclic peptoids. <i>Tetrahedron Letters</i> , 2017, 58, 1010-1014.	1.4	14
49	An enzymatic Finkelstein reaction: fluorinase catalyses direct halogen exchange. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7493-7496.	2.8	14
50	A mild method for the synthesis of a novel dehydrobutyrine-containing amino acid. <i>Tetrahedron</i> , 2014, 70, 4661-4667.	1.9	13
51	A practical method for the synthesis of peptoids containing both lysine-type and arginine-type monomers. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1211-1215.	2.8	13
52	Ions Modulate Stress-Induced Nanotexture in Supported Fluid Lipid Bilayers. <i>Biophysical Journal</i> , 2017, 113, 426-439.	0.5	13
53	Cell-Free Biosynthesis of Fluoroacetate and 4-Fluorothreonine in <i>Streptomyces cattleya</i> . <i>Angewandte Chemie</i> , 2002, 114, 4069-4071.	2.0	12
54	The identification of 5-fluoro-5-deoxyinosine as a shunt product in cell free extracts of <i>Streptomyces cattleya</i> . <i>Bioorganic Chemistry</i> , 2005, 33, 393-401.	4.1	12

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55	Short elastin-like peptide-functionalized gold nanoparticles that are temperature responsive under near-physiological conditions. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6667-6674.	5.8	11
56	Synthesis of pentafluorosulfanyl (SF ₅) containing aromatic amino acids. <i>Journal of Fluorine Chemistry</i> , 2018, 212, 166-170.	1.7	11
57	19 F NMR Spectroscopy Tagging and Paramagnetic Relaxation Enhancement-Based Conformation Analysis of Intrinsically Disordered Protein Complexes. <i>ChemBioChem</i> , 2020, 21, 696-701.	2.6	11
58	Aminoacyl chain translocation catalysed by a type II thioesterase domain in an unusual non-ribosomal peptide synthetase. <i>Nature Communications</i> , 2022, 13, 62.	12.8	11
59	Synthesis of a novel tetrafluoropyridine-containing amino acid and tripeptide. <i>Tetrahedron Letters</i> , 2013, 54, 4865-4867.	1.4	10
60	Quantitative Proteomics Reveals that Hsp90 Inhibition Dynamically Regulates Global Protein Synthesis in <i>Leishmania mexicana</i> . <i>MSystems</i> , 2021, 6, .	3.8	10
61	A direct method for the synthesis of orthogonally protected furyl- and thienyl- amino acids. <i>Amino Acids</i> , 2015, 47, 779-785.	2.7	9
62	Protecting Group-Controlled Remote Regioselective Electrophilic Aromatic Halogenation Reactions. <i>Journal of Organic Chemistry</i> , 2020, 85, 6862-6871.	3.2	9
63	Unusual Magnetic Field Responsive Circularly Polarized Luminescence Probes with Highly Emissive Chiral Europium(III) Complexes. <i>Angewandte Chemie</i> , 2021, 133, 1017-1023.	2.0	9
64	A F NMR study of fluorobenzoate biodegradation by sp. HB-1. <i>FEMS Microbiology Letters</i> , 2004, 237, 355-361.	1.8	8
65	Directional Plk1 inhibition-driven cell cycle interruption using amphiphilic thin-coated peptide-lanthanide upconversion nanomaterials as in vivo tumor suppressors. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2624-2634.	5.8	8
66	N-Terminal speciation for native chemical ligation. <i>Chemical Communications</i> , 2020, 56, 6114-6117.	4.1	8
67	Synthesis and molecular structure of a perfluorinated pyridyl carbanion. <i>Journal of Fluorine Chemistry</i> , 2012, 133, 33-37.	1.7	6
68	Real time detection of cell cycle regulator cyclin A on living tumor cells with europium emission. <i>Dalton Transactions</i> , 2013, 42, 13495.	3.3	6
69	Aqueous synthesis of N,S-dialkylthiophosphoramidates: design, optimisation and application to library construction and antileishmanial testing. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2660.	2.8	6
70	An Efficient Method for the Synthesis of Peptoids with Mixed Lysine-type/Arginine-type Monomers and Evaluation of Their Anti-leishmanial Activity. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	6
71	Rationalized Computer-Aided Design of Matrix-Metalloprotease-Selective Prodrugs. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4496-4502.	6.4	6
72	Unusually high δ -proton acidity of prolyl residues in cyclic peptides. <i>Chemical Science</i> , 2020, 11, 7722-7729.	7.4	6

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73	Monitoring and inhibition of Plk1: amphiphilic porphyrin conjugated Plk1 specific peptides for its imaging and anti-tumor function. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5876-5882.	2.8	5
74	Synthesis, Ni(II) Schiff base complexation and structural analysis of fluorinated analogs of the ligand (S)-2-[N-(N-2-benzylpropyl)amino]benzophenone (BPB). <i>Journal of Fluorine Chemistry</i> , 2015, 173, 77-83.	1.7	5
75	A direct route for the preparation of Fmoc/O t Bu protected iodotyrosine. <i>Tetrahedron Letters</i> , 2018, 59, 2644-2646.	1.4	4
76	Stabilising Peptoid Helices Using Non-Chiral Fluoroalkyl Monomers. <i>Angewandte Chemie</i> , 2018, 130, 10709-10713.	2.0	4
77	Editorial: Peptidomimetics: Synthetic Tools for Drug Discovery and Development. <i>Frontiers in Chemistry</i> , 2021, 9, 802120.	3.6	4
78	Current Synthetic Routes to Peptidyl Mono-Fluoromethyl Ketones (FMKs) and Their Applications. <i>Molecules</i> , 2020, 25, 5601.	3.8	3
79	Evaluation of two cyclic di-peptides as inhibitors of CCL2 induced chemotaxis. <i>MedChemComm</i> , 2013, 4, 860.	3.4	2
80	Introduction to the themed collection on "Neglected tropical diseases". <i>RSC Medicinal Chemistry</i> , 2020, 11, 1098-1099.	3.9	2
81	Cover Picture: <i>Angew. Chem. Int. Ed.</i> 20/2002. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3723-3723.	13.8	1
82	Titelbild: <i>Angew. Chem.</i> 20/2002. <i>Angewandte Chemie</i> , 2002, 114, 3873-3873.	2.0	0
83	Synthesis and Characterisation of Impurities of Manufacture in Support of Certificate of the European Pharmacopoeia Applications Part 1 (Clobetasone Butyrate). <i>Organic Process Research and Development</i> , 2003, 7, 896-903.	2.7	0
84	Frontispiece: Recent Advances in the Synthesis of Peptoid Macrocycles. <i>Chemistry - A European Journal</i> , 2018, 24, .	3.3	0
85	Peptoids with Antibiofilm Activity against the Gram Negative Obligate Anaerobe, <i>Fusobacterium nucleatum</i> . <i>Molecules</i> , 2021, 26, 4741.	3.8	0