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List of Publications by Year
in descending order

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86 papers	3,179 citations	257101 24 h-index	161609 54 g-index
98 all docs	98 docs citations	98 times ranked	4450 citing authors

#	Article	IF	Citations
1	Recently Discovered Secondary Metabolites from Streptomyces Species. Molecules, 2022, 27, 887.	1.7	37
2	Yeppoonic acids A â€“ D: 1,2,4-trisubstituted arene carboxylic acid co-metabolites of conglobatin from an Australian Streptomyces sp.. Journal of Antibiotics, 2022, 75, 108-112.	1.0	3
3	Copper(<scp>ii</scp>) complexes of <i>N</i>-propargyl cyclam ligands reveal a range of coordination modes and colours, and unexpected reactivity. Dalton Transactions, 2021, 50, 3931-3942.	1.6	0
4	Isopenicillinâ€…N Synthase: Crystallographic Studies. ChemBioChem, 2021, 22, 1687-1705.	1.3	8
5	<i>tele</i>-Substitution Reactions in the Synthesis of a Promising Class of 1,2,4-Triazolo[4,3-<i>a</i>]pyrazine-Based Antimalarials. Journal of Organic Chemistry, 2020, 85, 13438-13452.	1.7	4
6	Chemistry in the Time of COVID-19: Reflections on a Very Unusual Semester. Journal of Chemical Education, 2020, 97, 2928-2934.	1.1	12
7	Conglobatins Bâ€“E: cytotoxic analogues of the C2-symmetric macrodiolide conglobatin. Journal of Antibiotics, 2020, 73, 756-765.	1.0	8
8	Metal complexes as a promising source for new antibiotics. Chemical Science, 2020, 11, 2627-2639.	3.7	290
9	Bengamides display potent activity against drug-resistant Mycobacterium tuberculosis. Scientific Reports, 2019, 9, 14396.	1.6	10
10	Nanangenines: drimane sesquiterpenoids as the dominant metabolite cohort of a novel Australian fungus, <i>Aspergillus nanangensis</i>. Beilstein Journal of Organic Chemistry, 2019, 15, 2631-2643.	1.3	22
11	Antitubercular Bis-Substituted Cyclam Derivatives: Structureâ€“Activity Relationships and in Vivo Studies. Journal of Medicinal Chemistry, 2018, 61, 3595-3608.	2.9	33
12	Molecular Switches for any pH: A Systematic Study of the Versatile Coordination Behaviour of Cyclam Scorpionands. Chemistry - A European Journal, 2018, 24, 1573-1585.	1.7	11
13	Easy-To-Synthesize Spirocyclic Compounds Possess Remarkable in Vivo Activity against <i>Mycobacterium tuberculosis</i>. Journal of Medicinal Chemistry, 2018, 61, 11327-11340.	2.9	22
14	Selective Displacement of a Scorpionand Triazole Ligand from Metallocyclam Complexes Visualised with NMR Spectroscopy. European Journal of Inorganic Chemistry, 2017, 2017, 1075-1086.	1.0	4
15	Time-resolved and temperature tuneable measurements of fluorescent intensity using a smartphone fluorimeter. Analyst, The, 2017, 142, 1953-1961.	1.7	26
16	Cyclobutanone Analogues of Î²â€Łactam Antibiotics: Î²â€Łactamase Inhibitors with Untapped Potential?. ChemBioChem, 2017, 18, 338-351.	1.3	17
17	Terminally Truncated Isopenicillin N Synthase Generates a Dithioester Product: Evidence for a Thioaldehyde Intermediate during Catalysis and a New Mode of Reaction for Nonâ€Heme Iron Oxidases. Chemistry - A European Journal, 2017, 23, 12815-12824.	1.7	14
18	Recent Advances in Macrocyclic Fluorescent Probes for Ion Sensing. Molecules, 2017, 22, 200.	1.7	54

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19	A direct method for the <i>N</i>-tetraalkylation of azamacrocycles. Beilstein Journal of Organic Chemistry, 2016, 12, 2457-2461.	1.3	8
20	Nontoxic Metalâ€"Cyclam Complexes, a New Class of Compounds with Potency against Drug-Resistant <i>Mycobacterium tuberculosis</i>. Journal of Medicinal Chemistry, 2016, 59, 5917-5921.	2.9	42
21	Synthesis and Evaluation of 1,8â€Disubstitutedâ€Cyclam/Naphthalimide Conjugates as Probes for Metal Ions. ChemistryOpen, 2016, 5, 375-385.	0.9	18
22	Temperature Controlled Portable Smartphone Fluorimeter. , 2016, , .		4
23	Bend and twist intramolecular charge transfer and emission for selective metal ion sensing. Optical Materials Express, 2015, 5, 2675.	1.6	12
24	Iron complexes of tetramine ligands catalyse allylic hydroxyamination via a nitrosoâ€"ene mechanism. Beilstein Journal of Organic Chemistry, 2015, 11, 2549-2556.	1.3	4
25	Efficient deprotection of <i>F</i>-BODIPY derivatives: removal of BF₂ using BrÃ¸nsted acids. Beilstein Journal of Organic Chemistry, 2015, 11, 37-41.	1.3	26
26	Fluorescent measurements of Zn2+on a smartphone. , 2015, , .		0
27	Discovery of microbial natural products by activation of silent biosynthetic gene clusters. Nature Reviews Microbiology, 2015, 13, 509-523.	13.6	762
28	Synthesis and structural characterisation of amides from picolinic acid and pyridine-2,6-dicarboxylic acid. Scientific Reports, 2015, 5, 9950.	1.6	16
29	Combined â€œdualâ€• absorption and fluorescence smartphone spectrometers. Optics Letters, 2015, 40, 1737.	1.7	94
30	Early warning smartphone diagnostics for water security and analysis using real-time pH mapping. Photonic Sensors, 2015, 5, 289-297.	2.5	29
31	Absorption and fluorescence spectroscopy on a smartphone. , 2015, , .		1
32	Using Click Chemistry to Tune the Properties and the Fluorescence Response Mechanism of Structurally Similar Probes for Metal Ions. European Journal of Inorganic Chemistry, 2015, 2015, 58-66.	1.0	11
33	Lab-in-a-Phone: Smartphone-Based Portable Fluorometer for pH Measurements of Environmental Water. IEEE Sensors Journal, 2015, 15, 5095-5102.	2.4	86
34	Isopenicillin N Synthase. 2-Oxoglutarate-Dependent Oxygenases, 2015, , 414-424.	0.8	8
35	Centralised and portable “network forensics” using smartphone-based diagnostics: Case study — The mapping of tap water pH across Sydney, Australia. , 2014, , .		4
36	The properties and performance of a pH-responsive functionalised nanoparticle. Faraday Discussions, 2014, 175, 171-187.	1.6	3

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37	pH-Responsive quantum dots (RQDs) that combine a fluorescent nanoparticle with a pH-sensitive dye. Physical Chemistry Chemical Physics, 2014, 16, 25255-25257.	1.3	16
38	Neuroprotective peptideâ€"macrocycle conjugates reveal complex structureâ€"activity relationships in their interactions with amyloid Î². Metallomics, 2014, 6, 1931-1940.	1.0	20
39	Bio-Inspired Nitrile Hydration by Peptidic Ligands Based on L-Cysteine, L-Methionine or L-Penicillamine and Pyridine-2,6-dicarboxylic Acid. Molecules, 2014, 19, 20751-20767.	1.7	7
40	Incorporating a Piperidinyl Group in the Fluorophore Extends the Fluorescence Lifetime of Click-Derived Cyclam-Naphthalimide Conjugates. PLoS ONE, 2014, 9, e100761.	1.1	11
41	Substrate range and enantioselectivity of epoxidation reactions mediated by the ethene-oxidising Mycobacterium strain NBB4. Applied Microbiology and Biotechnology, 2013, 97, 1131-1140.	1.7	13
42	The crystal structure of isopenicillin N synthase with a dipeptide substrate analogue. Archives of Biochemistry and Biophysics, 2013, 530, 48-53.	1.4	6
43	A Fluorescent â€œAllosteric Scorpionandâ€• Complex Visualizes a Biological Recognition Event. ChemBioChem, 2013, 14, 224-229.	1.3	24
44	The crystal structure of an isopenicillin N synthase complex with an ethereal substrate analogue reveals water in the oxygen binding site. FEBS Letters, 2013, 587, 2705-2709.	1.3	6
45	l-Proline derived mimics of the non-haem iron active site catalyse allylic oxidation in acetonitrile solutions. Tetrahedron Letters, 2013, 54, 1236-1238.	0.7	7
46	The Interaction of Isopenicillin N Synthase with Homologated Substrate Analogues Î´â€(<scp>L</scp>â€Î±â€Aminoadipoyl)â€<scp>L</scp>â€homocysteinylâ€<scp>D</scp>â€Xaa Characterised by Protein Crystallography. ChemBioChem, 2013, 14, 599-606.	1.3	5
47	Incorporation of Bulky and Cationic Cyclamâ€Triazole Moieties into Marimastat Can Generate Potent MMP Inhibitory Activity without Inducing Cytotoxicity. ChemistryOpen, 2013, 2, 99-105.	0.9	12
48	Diketoacid Inhibitors of HIV-1 Integrase: From L-708,906 to Raltegravir and Beyond. Current Medicinal Chemistry, 2012, 19, 1177-1192.	1.2	18
49	(2S,4S)-3-Benzoyl-4-benzyl-2-tert-butyl-1,3-oxazolidin-5-one. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2747-o2747.	0.2	0
50	Investigating the oxidation of alkenes by non-heme iron enzyme mimics. Organic and Biomolecular Chemistry, 2012, 10, 7372.	1.5	19
51	Reversing the Triazole Topology in a Cyclamâ€Triazoleâ€Dye Ligand Gives a 10â€Fold Brighter Signal Response to Zn²⁺ in Aqueous Solution. European Journal of Inorganic Chemistry, 2012, 2012, 5611-5615.	1.0	41
52	l-Proline-derived ligands to mimic the â€˜2-His-1-carboxylateâ€™ triad of the non-haem iron oxidase active site. Tetrahedron, 2012, 68, 3231-3236.	1.0	18
53	A Treasure Hunt for Chemistry. Journal of Chemical Education, 2011, 88, 437-439.	1.1	0
54	Copper, Nickel, and Zinc Cyclamâ€"Amino Acid and Cyclamâ€"Peptide Complexes May Be Synthesized with â€œClickâ€• Chemistry and Are Noncytotoxic. Inorganic Chemistry, 2011, 50, 12823-12835.	1.9	35

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55	Synthesis, carbohydrate- and DNA-binding studies of cationic 2,2â€²:6â€²,2â€²â€²-terpyridineplatinum(ii) complexes containing N- and S-donor boronic acid ligands. Dalton Transactions, 2011, 40, 506-513.	1.6	15
56	The crystal structure of isopenicillin N synthase with Î´-(l-Î±-aminoadipoyl)-l-cysteinyl-d-methionine reveals thioether coordination to iron. Archives of Biochemistry and Biophysics, 2011, 516, 103-107.	1.4	8
57	Chemical sensors that incorporate click-derived triazoles. Chemical Society Reviews, 2011, 40, 2848.	18.7	366
58	A Click Fluorophore Sensor that Can Distinguish Cu^{II} and Hg^{II} via Selective Anionâ€Induced Demetallation. Chemistry - A European Journal, 2011, 17, 2850-2858.	1.7	65
59	Isopenicillin N Synthase Binds Î´â€(<scp>L</scp>â€Î±â€Aminoadipoyl)â€<scp>L</scp>â€Cysteinylâ€<scp>D</scp>â€Thiaâ€<i>allo</i>â€Isoleucine through both Sulfur Atoms. ChemBioChem, 2011, 12, 1881-1885.	1.3	8
60	Synthesis, electrochemistry and metal binding properties of monosubstituted ferrocenoyl peptides with thioether-containing sidechains. Journal of Organometallic Chemistry, 2011, 696, 715-721.	0.8	7
61	Polyamide-Scorpion Cyclam Lexitropsins Selectively Bind AT-Rich DNA Independently of the Nature of the Coordinated Metal. PLoS ONE, 2011, 6, e17446.	1.1	9
62	Boronated phosphonium salts containing arylboronic acid, closo-carborane, or nido-carborane: synthesis, X-ray diffraction, in vitro cytotoxicity, and cellular uptake. Journal of Biological Inorganic Chemistry, 2010, 15, 1305-1318.	1.1	21
63	Inhibition Studies of <i>Mycobacterium tuberculosis</i> Salicylate Synthase (MbtI). ChemMedChem, 2010, 5, 1067-1079.	1.6	50
64	Synthesis and electrochemical studies of disubstituted ferrocene/dipeptide conjugates with sulfur-containing side chains. Tetrahedron, 2010, 66, 5653-5659.	1.0	12
65	Crystallographic studies on the binding of selectively deuterated LLD- and LLL-substrate epimers by isopenicillin N synthase. Biochemical and Biophysical Research Communications, 2010, 398, 659-664.	1.0	8
66	The crystal structure of anlll-configured depsipeptide substrate analogue bound to isopenicillin N synthase. Organic and Biomolecular Chemistry, 2010, 8, 122-127.	1.5	7
67	Design and synthesis of a tetradentate â€˜3-amine-1-carboxylateâ€™ ligand to mimic the metal binding environment at the non-heme iron(ii) oxidase active site. Organic and Biomolecular Chemistry, 2010, 8, 1666.	1.5	12
68	Structural Studies on the Reaction of Isopenicillin N Synthase with a Sterically Demanding Depsipeptide Substrate Analogue. ChemBioChem, 2009, 10, 2025-2031.	1.3	19
69	Mercury binding by ferrocenoyl peptides with sulfur-containing side chains: Electrochemical, spectroscopic and structural studies. Journal of Organometallic Chemistry, 2008, 693, 2869-2876.	0.8	14
70	Isopenicillin N Synthase Mediates Thiolate Oxidation to Sulfenate in a Depsipeptide Substrate Analogue: Implications for Oxygen Binding and a Link to Nitrile Hydratase?. Journal of the American Chemical Society, 2008, 130, 10096-10102.	6.6	35
71	cis-Dihydroxylation of Alkenes by a Non-Heme Iron Enzyme Mimic. Synlett, 2008, 2008, 2172-2174.	1.0	6
72	<i>tert</i>-Butyldimethylsilanol hemihydrate. Acta Crystallographica Section E: Structure Reports Online, 2008, 64, o1174-o1174.	0.2	1

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73	Interactions of Isopenicillin N Synthase with Cyclopropyl-Containing Substrate Analogues Reveal New Mechanistic Insight,. Biochemistry, 2007, 46, 4755-4762.	1.2	31
74	A Cyclobutanone Analogue Mimics Penicillin in Binding to Isopenicillin N Synthase. ChemBioChem, 2007, 8, 2003-2007.	1.3	21
75	Unexpected Oxidation of a Depsipeptide Substrate Analogue in Crystalline Isopenicillin N Synthase. ChemBioChem, 2006, 7, 351-358.	1.3	22
76	Design and synthesis of an isopenicillin N synthase mimic. Tetrahedron, 2005, 61, 137-143.	1.0	9
77	Structural Studies on the Reaction of Isopenicillin N Synthase with the Truncated Substrate Analogues Î´-(l-Î±-aminoadipoyl)-l-cysteinyl-glycine and Î´-(l-Î±-aminoadipoyl)-l-cysteinyl-d-alanineâ€‚â€¡. Biochemistry, 2005, 44, 6619-6628.	1.2	39
78	Unique binding of a non-natural l,l,l-substrate by isopenicillin N synthase. Biochemical and Biophysical Research Communications, 2005, 336, 702-708.	1.0	21
79	Active-site-mediated elimination of hydrogen fluoride from a fluorinated substrate analogue by isopenicillin N synthase. Biochemical Journal, 2004, 382, 659-666.	1.7	25
80	Total synthesis of a novel 2-thiabicyclo[3.2.0]heptan-6-one analogue of penicillin N. Tetrahedron, 2003, 59, 8233-8243.	1.0	27
81	Crystallographic studies on the reaction of isopenicillin N synthase with an unsaturated substrate analogue. Organic and Biomolecular Chemistry, 2003, 1, 1455-1460.	1.5	33
82	Structural studies on the reaction of isopenicillin N synthase with the substrate analogue delta-(l-alpha-aminoadipoyl)-l-cysteinyl-d-alpha-aminobutyrate. Biochemical Journal, 2003, 372, 687-693.	1.7	34
83	A device for the high-pressure oxygenation of protein crystals. Analytical Biochemistry, 2002, 308, 265-268.	1.1	21
84	Contrasting fates for 6-Î±-methylpenicillin N upon oxidation by deacetoxycephalosporin C synthase (DAOCS) and deacetoxy/deacetylcephalosporin C synthase (DAOC/DACS). Bioorganic and Medicinal Chemistry Letters, 2001, 11, 2511-2514.	1.0	5
85	Alternative oxidation by isopenicillin N synthase observed by X-ray diffraction. Chemistry and Biology, 2001, 8, 1231-1237.	6.2	47
86	The reaction cycle of isopenicillin N synthase observed by X-ray diffraction. Nature, 1999, 401, 721-724.	13.7	212