

Andrew D Abell

List of Publications by Year in descending order

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278
papers

6,177
citations

87888

38
h-index

138484

58
g-index

284
all docs

284
docs citations

284
times ranked

7235
citing authors

#	ARTICLE	IF	CITATIONS
1	1,2,3-Triazoles in Peptidomimetic Chemistry. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2399-2411.	2.4	250
2	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. <i>Sensors and Actuators B: Chemical</i> , 2016, 227, 117-127.	7.8	148
3	Inhibition of polysulfide diffusion in lithium-sulfur batteries: mechanism and improvement strategies. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12381-12413.	10.3	147
4	Synthesis of Trisubstituted Imidazoles by Palladium-Catalyzed Cyclization of O-Pentafluorobenzoylamidoximes: Application to Amino Acid Mimetics with a C-Terminal Imidazole. <i>Organic Letters</i> , 2005, 7, 609-611.	4.6	119
5	Progress in Solid Polymer Electrolytes for Lithium-Ion Batteries and Beyond. <i>Small</i> , 2022, 18, e2103617.	10.0	107
6	Nature engineered diatom biosilica as drug delivery systems. <i>Journal of Controlled Release</i> , 2018, 281, 70-83.	9.9	106
7	Estrogenicity of pyrethroid insecticide metabolites. <i>Journal of Environmental Monitoring</i> , 2006, 8, 197-202.	2.1	100
8	Grafting Aryl Diazonium Cations to Polycrystalline Gold: Insights into Film Structure Using Gold Oxide Reduction, Redox Probe Electrochemistry, and Contact Angle Behavior. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7808-7815.	3.1	84
9	Electrocatalysis of sulfur and polysulfides in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19704-19728.	10.3	83
10	Double-Layered Modified Separators as Shuttle Suppressing Interlayers for Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 541-549.	8.0	74
11	How to make lithium iron phosphate better: a review exploring classical modification approaches in-depth and proposing future optimization methods. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18210-18222.	10.3	72
12	Azobenzene-Containing, Peptidyl \pm -Ketoesters as Photobiological Switches of \pm -Chymotrypsin. <i>Tetrahedron</i> , 2000, 56, 9763-9771.	1.9	70
13	Fluorescence-Based Aluminum Ion Sensing Using a Surface-Functionalized Microstructured Optical Fiber. <i>Langmuir</i> , 2011, 27, 5680-5685.	3.5	69
14	Structure, function and selective inhibition of bacterial acetyl-coa carboxylase. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 983-992.	3.6	68
15	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence ¹ . <i>Biology of Reproduction</i> , 2016, 94, 23.	2.7	66
16	The Synthesis of Naturally Occurring Vitamin K and Vitamin K Analogues. <i>Current Organic Chemistry</i> , 2003, 7, 1625-1634.	1.6	64
17	Reversible Photoregulation of Binding of \pm -Chymotrypsin to a Gold Surface. <i>Journal of the American Chemical Society</i> , 2007, 129, 14862-14863.	13.7	64
18	Molecular Modeling, Synthesis, and Biological Evaluation of Macrocyclic Calpain Inhibitors. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1455-1458.	13.8	64

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19	The synthesis and crystal structure of alpha-keto tetrazole-based dipeptide mimics. <i>Tetrahedron Letters</i> , 2001, 42, 5641-5644.	1.4	62
20	Calpains: Attractive Targets for the Development of Synthetic Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 270-293.	2.1	61
21	Electrochemical Activity of Nitrogen-Containing Groups in Organic Electrode Materials and Related Improvement Strategies. <i>Advanced Energy Materials</i> , 2021, 11, 2002523.	19.5	59
22	Selective inhibition of Biotin Protein Ligase from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , 2012, 287, 17823-17832.	3.4	56
23	Nanoporous Anodic Alumina Photonic Crystals for Optical Chemo- and Biosensing: Fundamentals, Advances, and Perspectives. <i>Nanomaterials</i> , 2018, 8, 788.	4.1	56
24	Nanoliter-scale, regenerable ion sensor: sensing with a surface functionalized microstructured optical fibre. <i>RSC Advances</i> , 2013, 3, 8308.	3.6	52
25	Synthesis of Cyclic β^2 -Amino Acid Esters from Methionine, Allylglycine, and Serine. <i>Journal of Organic Chemistry</i> , 2004, 69, 3375-3382.	3.2	50
26	Dual Sensor for Cd(II) and Ca(II): Selective Nanoliter-Scale Sensing of Metal Ions. <i>Analytical Chemistry</i> , 2014, 86, 3268-3272.	6.5	50
27	In situ incorporation of a S, N doped carbon/sulfur composite for lithium sulfur batteries. <i>RSC Advances</i> , 2015, 5, 78017-78025.	3.6	50
28	Benzophenone- and Indolecarboxylic Acids: Potent Type-2 Specific Inhibitors of Human Steroid 5.alpha.-Reductase. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 13-15.	6.4	46
29	Synthesis of Macrocyclic β^2 -Strand Templates by Ring Closing Metathesis. <i>Journal of Organic Chemistry</i> , 2009, 74, 4354-4356.	3.2	45
30	The <i>CYP2B6</i> Allele Significantly Alters the <i>N</i> -Demethylation of Ketamine Enantiomers In Vitro. <i>Drug Metabolism and Disposition</i> , 2013, 41, 1264-1272.	3.3	45
31	New β^2 -Strand Templates Constrained by Huisgen Cycloaddition. <i>Organic Letters</i> , 2012, 14, 1330-1333.	4.6	44
32	Photopharmacological Control of Cyclic Antimicrobial Peptides. <i>ChemBioChem</i> , 2018, 19, 2591-2597.	2.6	44
33	Biotin Analogues with Antibacterial Activity Are Potent Inhibitors of Biotin Protein Ligase. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 509-514.	2.8	43
34	Investigation into the P3Binding Domain of m-Calpain Using Photoswitchable Diazo- and Triazene-dipeptide Aldehydes: A New Anticataract Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2916-2920.	6.4	42
35	Synthesis and Properties of Ring-Deactivated Deuterated (Hydroxymethyl)pyrroles. <i>Journal of the American Chemical Society</i> , 1998, 120, 1741-1746.	13.7	40
36	New cholesterol esterase inhibitors based on rhodanine and thiazolidinedione scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7453-7463.	3.0	40

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37	Redox and anti-oxidant state within cattle oocytes following in vitro maturation with bone morphogenetic protein 15 and follicle stimulating hormone. <i>Molecular Reproduction and Development</i> , 2015, 82, 281-294.	2.0	40
38	Multiple Ligands in Opioid Research. <i>Protein and Peptide Letters</i> , 2008, 15, 668-682.	0.9	39
39	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , 2015, 81, 69-76.	2.9	39
40	Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport. <i>Advanced Materials</i> , 2015, 27, 3019-3024.	21.0	38
41	Optimising in situ click chemistry: the screening and identification of biotin protein ligase inhibitors. <i>Chemical Science</i> , 2013, 4, 3533.	7.4	37
42	Unraveling the Interplay of Backbone Rigidity and Electron Rich Side-Chains on Electron Transfer in Peptides: The Realization of Tunable Molecular Wires. <i>Journal of the American Chemical Society</i> , 2014, 136, 12479-12488.	13.7	37
43	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. <i>Sensors</i> , 2015, 15, 31904-31913.	3.8	37
44	Rationally designed peptide-based inhibitor of A β 242 fibril formation and toxicity: a potential therapeutic strategy for Alzheimer's disease. <i>Biochemical Journal</i> , 2020, 477, 2039-2054.	3.7	37
45	Synthesis and X-ray Crystallographic Structure of Leucine- α -Phenylalanyl Succinimide-Based Pseudopeptides. <i>Journal of Organic Chemistry</i> , 1997, 62, 1509-1513.	3.2	36
46	Enantioselective Synthesis of β -Fluorinated β -Amino Acids. <i>Organic Letters</i> , 2008, 10, 885-887.	4.6	36
47	Electron transfer through β -peptides attached to vertically aligned carbon nanotube arrays: a mechanistic transition. <i>Chemical Communications</i> , 2012, 48, 1132-1134.	4.1	36
48	Taming the Light in Microstructured Optical Fibers for Sensing. <i>International Journal of Applied Glass Science</i> , 2015, 6, 229-239.	2.0	35
49	Biological hydrogen peroxide detection with aryl boronate and benzil BODIPY-based fluorescent probes. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 750-757.	7.8	35
50	Olefin Metathesis: Catalyst Development, Microwave Catalysis, and Domino Applications. <i>Australian Journal of Chemistry</i> , 2005, 58, 3.	0.9	34
51	5-Benzylidenerhodanine and 5-benzylidene-2-4-thiazolidinedione based antibacterials. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2720-2722.	2.2	34
52	Crowned spiropyran fluoroionophores with a carboxyl moiety for the selective detection of lithium ions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3752-3757.	2.8	33
53	Azobenzene-containing photoswitchable proteasome inhibitors with selective activity and cellular toxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5050-5054.	3.0	33
54	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). <i>Human Reproduction</i> , 2017, 32, 2016-2025.	0.9	33

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55	Inhibition studies on salicylate synthase. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 1825.	2.8	32
56	Structural characterization of <i>Staphylococcus aureus</i> biotin protein ligase and interaction partners: An antibiotic target. <i>Protein Science</i> , 2013, 22, 762-773.	7.6	32
57	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12727-12732.	8.0	32
58	Electrochemical preparation of nano/micron structure transition metal-based catalysts for the oxygen evolution reaction. <i>Materials Horizons</i> , 2022, 9, 1788-1824.	12.2	32
59	Synthesis of cyclic acylated enamino ester dipeptide analogs via the bromolactonization of a keto acid phosphorane. <i>Journal of Organic Chemistry</i> , 1993, 58, 14-15.	3.2	31
60	Development of Aqueous Metathesis Catalysts. <i>Australian Journal of Chemistry</i> , 2009, 62, 91.	0.9	31
61	Structural tailoring of nanoporous anodic alumina optical microcavities for enhanced resonant recirculation of light. <i>Nanoscale</i> , 2018, 10, 14139-14152.	5.6	31
62	Synthesis of Substituted Cyclohexenyl-Based β -Amino Acids by Ring-Closing Metathesis. <i>Organic Letters</i> , 2002, 4, 3663-3666.	4.6	30
63	Photoswitch inhibitors of β -chymotrypsin: increased substitution and peptidic character in peptidomimetic boronate esters. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3618-3625.	2.8	30
64	Microstructured Optical Fibers and Live Cells: A Water-Soluble, Photochromic Zinc Sensor. <i>Biomacromolecules</i> , 2013, 14, 3376-3379.	5.4	30
65	Engineering the Slow Photon Effect in Photoactive Nanoporous Anodic Alumina Gradient-Index Filters for Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24124-24136.	8.0	30
66	Photocontrol of peptide secondary structure through non-azobenzene photoswitches. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2019, 40, 1-20.	11.6	30
67	Synthesis of 1,2-disubstituted pyrroles: A cis peptide bond surrogate. <i>Tetrahedron Letters</i> , 1992, 33, 5831-5832.	1.4	29
68	Real-Time Binding Monitoring between Human Blood Proteins and Heavy Metal Ions in Nanoporous Anodic Alumina Photonic Crystals. <i>Analytical Chemistry</i> , 2018, 90, 10039-10048.	6.5	29
69	1,2,3-Triazolyl amino acids as AMPA receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7512-7515.	2.2	28
70	Peptides as Bio-Inspired Electronic Materials: An Electrochemical and First-Principles Perspective. <i>Accounts of Chemical Research</i> , 2018, 51, 2237-2246.	15.6	28
71	The Reaction of N-Magnesium Derivatives of Pyrroles with N-Mesylchloromethylpyrroles: A Synthesis of Dipyrrylmethanes. <i>Journal of Organic Chemistry</i> , 1998, 63, 8163-8169.	3.2	27
72	Improved Photocontrol of β -Chymotrypsin Activity: Peptidomimetic Trifluoromethylketone Photoswitch Enzyme Inhibitors. <i>Chemistry - A European Journal</i> , 2008, 14, 7358-7365.	3.3	27

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73	Electrochemistry of Catechol Terminated Monolayers with Cu(II), Ni(II) and Fe(III) Cations: A Model for the Marine Adhesive Interface. <i>Langmuir</i> , 2008, 24, 9074-9081.	3.5	27
74	Engineering of Surface Chemistry for Enhanced Sensitivity in Nanoporous Interferometric Sensing Platforms. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8929-8940.	8.0	27
75	Design and Synthesis of a Conformationally Restricted Trans Peptide Isostere Based on the Bioactive Conformations of Saquinavir and Nelfinavir. <i>Journal of Organic Chemistry</i> , 2001, 66, 3747-3752.	3.2	26
76	Synthesis and Extended Activity of Triazole-Containing Macrocyclic Protease Inhibitors. <i>Chemistry - A European Journal</i> , 2013, 19, 7975-7981.	3.3	26
77	Macrocyclic Protease Inhibitors with Reduced Peptide Character. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7828-7831.	13.8	26
78	New cylindrical peptide assemblies defined by extended parallel β -sheets. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 425-429.	2.8	25
79	Structure Guided Design of Biotin Protein Ligase Inhibitors for Antibiotic Discovery. <i>Current Topics in Medicinal Chemistry</i> , 2013, 14, 4-20.	2.1	25
80	A lithium/polysulfide semi-solid rechargeable flow battery with high output performance. <i>RSC Advances</i> , 2014, 4, 47517-47520.	3.6	25
81	Ascorbic acid-based inhibitors of β -amylases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1703-1706.	2.2	24
82	β -Ketoester-based photobiological switches: synthesis, peptide chain extension and assay against β -chymotrypsin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2441-2444.	2.2	24
83	Electrochemical and Computational Studies on Intramolecular Dissociative Electron Transfer in β -Peptides. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26608-26617.	3.1	24
84	Targeting PCNA with Peptide Mimetics for Therapeutic Purposes. <i>ChemBioChem</i> , 2020, 21, 442-450.	2.6	24
85	Harnessing Slow Light in Optoelectronically Engineered Nanoporous Photonic Crystals for Visible Light-Enhanced Photocatalysis. <i>ACS Catalysis</i> , 2021, 11, 12947-12962.	11.2	24
86	Dual roles of F ₁₂₃ in protein homodimerization and inhibitor binding to biotin protein ligase from <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2014, 91, 110-120.	2.5	23
87	Integrating surface plasmon resonance and slow photon effects in nanoporous anodic alumina photonic crystals for photocatalysis. <i>Catalysis Science and Technology</i> , 2019, 9, 3158-3176.	4.1	23
88	Light-confining semiconductor nanoporous anodic alumina optical microcavities for photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22514-22529.	10.3	23
89	Rational Management of Photons for Enhanced Photocatalysis in Structurally-Colored Nanoporous Anodic Alumina Photonic Crystals. <i>ACS Applied Energy Materials</i> , 2019, 2, 1169-1184.	5.1	23
90	Synthesis and deprotection of [1-(ethoxycarbonyl)-4-[(diphenylmethoxy)carbonyl]-1-methyl-2-oxobutyl]triphenylphosphonium chloride: a key intermediate in the Wittig reaction between a cyclic anhydride and a stabilized ylide. <i>Journal of Organic Chemistry</i> , 1990, 55, 5217-5221.	3.2	22

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91	Halogenation of keto acid phosphoranes: synthesis of halo enol lactones and haloallenes. <i>Journal of Organic Chemistry</i> , 1993, 58, 1531-1537.	3.2	22
92	Preparative chiral HPLC separation of all possible stereoisomers of LY191704 and LY266111 and their in vitro inhibition of human types 1 and 2 steroid 5 α -reductases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994, 4, 1365-1368.	2.2	22
93	A robust and recyclable ruthenium catalyst immobilised on polyethylene glycol. <i>Tetrahedron Letters</i> , 2009, 50, 5340-5343.	1.4	22
94	Biotin Protein Ligase Is a Target for New Antibacterials. <i>Antibiotics</i> , 2016, 5, 26.	3.7	22
95	Structure-Activity Relationship of 2,4-Dichloro-N-(3,5-dichloro-4-(quinolin-3-yloxy)phenyl)benzenesulfonamide (INT131) Analogs for PPAR β -Targeted Antidiabetics. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4584-4593.	6.4	22
96	Halogenation of Biotin Protein Ligase Inhibitors Improves Whole Cell Activity against <i>Staphylococcus aureus</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 175-184.	3.8	22
97	Synthesis of Cyclic Acylated Enamino Esters from Enol Lactones, 4-Keto amides, and 5-Hydroxy Lactams. <i>Journal of Organic Chemistry</i> , 1995, 60, 1214-1220.	3.2	21
98	Leucine-phenylalanine dipeptide-based N-mesyloxysuccinimides: Synthesis of all four stereoisomers and their assay against serine proteases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 497-500.	2.2	21
99	Progress towards an intramolecular Diels-Alder ring-expansion approach to taxinine: the interplay of Lewis acids and high pressure. <i>Tetrahedron Letters</i> , 2000, 41, 2723-2727.	1.4	21
100	Molecular Modeling: A Search for a Calpain Inhibitor as a New Treatment for Cataractogenesis. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7503-7522.	6.4	21
101	Synthesis and Conformation of Fluorinated β -Peptidic Compounds. <i>Chemistry - A European Journal</i> , 2012, 18, 6655-6662.	3.3	21
102	New 26S Proteasome Inhibitors with High Selectivity for Chymotrypsin-Like Activity and p53-Dependent Cytotoxicity. <i>ACS Chemical Biology</i> , 2013, 8, 353-359.	3.4	21
103	Al and/or Ni-doped nanomanganese dioxide with anisotropic expansion and their electrochemical characterisation in primary Li-MnO ₂ batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1585-1591.	2.5	21
104	Heterocyclic acyl-phosphate bioisostere-based inhibitors of <i>Staphylococcus aureus</i> biotin protein ligase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4689-4693.	2.2	21
105	Light-Confining Nanoporous Anodic Alumina Microcavities by Apodized Stepwise Pulse Anodization. <i>ACS Applied Nano Materials</i> , 2018, 1, 4418-4434.	5.0	21
106	Cardiovascular bioimaging of nitric oxide: Achievements, challenges, and the future. <i>Medicinal Research Reviews</i> , 2021, 41, 435-463.	10.5	21
107	Synthesis of Functionalized Piperidinones. <i>Journal of Organic Chemistry</i> , 2003, 68, 2432-2436.	3.2	20
108	Design and synthesis of aromatic inhibitors of anthranilate synthase. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2271.	2.8	20

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109	Synthesis, biological evaluation and molecular modelling of N-heterocyclic dipeptide aldehydes as selective calpain inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6911-6923.	3.0	20
110	Electrochemistry of Ferrocenyl β -Peptide Monolayers on Gold. <i>Langmuir</i> , 2010, 26, 1334-1339.	3.5	20
111	Lithium vanadium phosphate as cathode material for lithium ion batteries. <i>Ionics</i> , 2015, 21, 1201-1239.	2.4	20
112	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. <i>ACS Omega</i> , 2017, 2, 6201-6210.	3.5	20
113	Photoswitchable peptide-based "on-off"™ biosensor for electrochemical detection and control of protein-protein interactions. <i>Biosensors and Bioelectronics</i> , 2018, 118, 188-194.	10.1	20
114	A reversible fluoride chemosensor for the development of multi-input molecular logic gates. <i>New Journal of Chemistry</i> , 2019, 43, 12734-12743.	2.8	20
115	Realization of high-quality optical nanoporous gradient-index filters by optimal combination of anodization conditions. <i>Nanoscale</i> , 2020, 12, 9404-9415.	5.6	20
116	Unique Metal Cation Recognition via Crown Ether-Derivatized Oligo(phenyleneethynylene) Molecular Junction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 8496-8503.	3.1	20
117	Succinimide and saccharin-based enzyme-activated inhibitors of serine proteases. <i>Current Pharmaceutical Design</i> , 1999, 5, 405-15.	1.9	20
118	Synthesis and X-ray structure of a 1,2,3,6-tetrahydropyridine-based phenylalanine mimetic. <i>Tetrahedron Letters</i> , 1998, 39, 9563-9566.	1.4	19
119	An improved large scale procedure for the preparation of N-Cbz amino acids. <i>Tetrahedron Letters</i> , 2011, 52, 1493-1494.	1.4	19
120	Improved Synthesis of Biotinyl-5'-AMP: Implications for Antibacterial Discovery. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 216-220.	2.8	19
121	Photoswitchable calcium sensor: "On"™ "Off"™ sensing in cells or with microstructured optical fibers. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 965-972.	7.8	19
122	Nuclear magnetic resonance characterization of 6 β -chloro-5 β -cholestane-3 β ,5-diol formed from the reaction of hypochlorous acid with cholesterol. <i>Lipids</i> , 1997, 32, 363-367.	1.7	18
123	Ring-deactivated hydroxyalkylpyrrole-based inhibitors of β -chymotrypsin: synthesis and mechanism of action. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2103-2110.	2.8	18
124	Structural Optimization of Photoswitch Ligands for Surface Attachment of β -Chymotrypsin and Regulation of Its Surface Binding. <i>Chemistry - A European Journal</i> , 2010, 16, 6983-6992.	3.3	18
125	The Correlation of Electrochemical Measurements and Molecular Junction Conductance Simulations in β -Strand Peptides. <i>Chemistry - A European Journal</i> , 2015, 21, 5926-5933.	3.3	18
126	Biosynthetically Guided Structure-Activity Relationship Studies of Merochlorin...A, an Antibiotic Marine Natural Product. <i>ChemMedChem</i> , 2017, 12, 1969-1976.	3.2	18

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127	Real-Time Probe for the Efficient Sensing of Inorganic Fluoride and Copper Ions in Aqueous Media. <i>ChemistrySelect</i> , 2018, 3, 11593-11600.	1.5	18
128	Electrochemical Engineering of Nanoporous Materials for Photocatalysis: Fundamentals, Advances, and Perspectives. <i>Catalysts</i> , 2019, 9, 988.	3.5	18
129	Engineering of Broadband Nanoporous Semiconductor Photonic Crystals for Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 57079-57092.	8.0	18
130	Synthesis of 5-Phenyl 2-Functionalized Pyrroles by Amino Heck and Tandem Amino Heck Carbonylation Reactions. <i>Australian Journal of Chemistry</i> , 2007, 60, 624.	0.9	17
131	New Tripeptide-Based Macrocyclic Calpain Inhibitors Formed by <i>N</i> -Alkylation of Histidine. <i>Chemistry and Biodiversity</i> , 2012, 9, 2473-2484.	2.1	17
132	Electrochemical Mechanism for FeS ₂ /C Composite in Lithium Ion Batteries with Enhanced Reversible Capacity. <i>Energies</i> , 2016, 9, 225.	3.1	17
133	Macrocyclic Peptidomimetics Prepared by Ring-Closing Metathesis and Azide-Alkyne Cycloaddition. <i>Australian Journal of Chemistry</i> , 2017, 70, 138.	0.9	17
134	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. <i>Tetrahedron</i> , 2018, 74, 1240-1244.	1.9	17
135	Development of a Photoswitchable Lithium-Sensitive Probe to Analyze Nonselective Cation Channel Activity in Migrating Cancer Cells. <i>Molecular Pharmacology</i> , 2019, 95, 573-583.	2.3	17
136	Spiropyran-Based Nanocarrier: A New Zn ²⁺ -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. <i>Chemistry - A European Journal</i> , 2019, 25, 854-862.	3.3	17
137	Unravelling Structural Dynamics within a Photoswitchable Single Peptide: A Step Towards Multimodal Bioinspired Nanodevices. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22554-22562.	13.8	17
138	Emerging Therapeutic Applications for Fumarates. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 239-254.	8.7	17
139	Synthesis of Lactam-Based Peptidomimetics from β -Keto Esters and β -Keto Amides. <i>Journal of Organic Chemistry</i> , 1999, 64, 9668-9672.	3.2	16
140	Cross-metathesis coupling of sugars and fatty acids to lysine and cysteine. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2555.	2.8	16
141	The Influence of Secondary Structure on Electron Transfer in Peptides. <i>Australian Journal of Chemistry</i> , 2013, 66, 848.	0.9	16
142	The effect of a macrocyclic constraint on electron transfer in helical peptides: A step towards tunable molecular wires. <i>Chemical Communications</i> , 2014, 50, 1652.	4.1	16
143	Rational Design of a 3×10^6 -Helical PIP-Box Mimetic Targeting PCNA, the Human Sliding Clamp. <i>Chemistry - A European Journal</i> , 2018, 24, 11325-11331.	3.3	16
144	Mechanically Induced Switching between Two Discrete Conductance States: A Potential Single-Molecule Variable Resistor. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57646-57653.	8.0	16

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