

# Andrew D Abell

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2683935/andrew-d-abell-publications-by-citations.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

270  
papers

4,716  
citations

34  
h-index

50  
g-index

284  
ext. papers

5,510  
ext. citations

5.2  
avg, IF

5.88  
L-index

#	Paper	IF	Citations
270	1,2,3-Triazoles in Peptidomimetic Chemistry. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 2399-2411	11.1	221
269	Detection of gold nanoparticles with different sizes using absorption and fluorescence based method. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 227, 117-127	8.5	118
268	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> , <b>2005</b> , 7, 609-11	6.2	112
267	Inhibition of polysulfide diffusion in lithium-sulfur batteries: mechanism and improvement strategies. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 12381-12413	13	96
266	Estrogenicity of pyrethroid insecticide metabolites. <i>Journal of Environmental Monitoring</i> , <b>2006</b> , 8, 197-202		87
265	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> , <b>2007</b> , 111, 7808-7815	3.8	78
264	Nature engineered diatom biosilica as drug delivery systems. <i>Journal of Controlled Release</i> , <b>2018</b> , 281, 70-83	11.7	68
263	Azobenzene-Containing, Peptidyl $\beta$ -Ketoesters as Photobiological Switches of $\beta$ -Chymotrypsin. <i>Tetrahedron</i> , <b>2000</b> , 56, 9763-9771	2.4	63
262	Molecular modeling, synthesis, and biological evaluation of macrocyclic calpain inhibitors. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 1455-8	16.4	62
261	Reversible photoregulation of binding of alpha-chymotrypsin to a gold surface. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 14862-3	16.4	62
260	Fluorescence-based aluminum ion sensing using a surface-functionalized microstructured optical fiber. <i>Langmuir</i> , <b>2011</b> , 27, 5680-5	4	61
259	Structure, function and selective inhibition of bacterial acetyl-coa carboxylase. <i>Applied Microbiology and Biotechnology</i> , <b>2012</b> , 93, 983-92	5.7	56
258	Calpains: attractive targets for the development of synthetic inhibitors. <i>Current Topics in Medicinal Chemistry</i> , <b>2010</b> , 10, 270-93	3	53
257	The synthesis and crystal structure of alpha-keto tetrazole-based dipeptide mimics. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 5641-5644	2	51
256	In situ incorporation of a S, N doped carbon/sulfur composite for lithium sulfur batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 78017-78025	3.7	46
255	Dual sensor for Cd(II) and Ca(II): selective nanoliter-scale sensing of metal ions. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3268-72	7.8	46
254	The Synthesis of Naturally Occurring Vitamin K and Vitamin K Analogues. <i>Current Organic Chemistry</i> , <b>2003</b> , 7, 1625-1634	1.7	46

253	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> , <b>2016</b> , 4, 18210-18222	13	45
252	Double-Layered Modified Separators as Shuttle Suppressing Interlayers for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 541-549	9.5	45
251	Nanoliter-scale, regenerable ion sensor: sensing with a surface functionalized microstructured optical fibre. <i>RSC Advances</i> , <b>2013</b> , 3, 8308	3.7	44
250	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 23	3.9	42
249	Synthesis of macrocyclic beta-strand templates by ring closing metathesis. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 4354-6	4.2	42
248	New $\beta$ -strand templates constrained by Huisgen cycloaddition. <i>Organic Letters</i> , <b>2012</b> , 14, 1330-3	6.2	41
247	Selective inhibition of biotin protein ligase from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 17823-17832	5.4	40
246	Synthesis of cyclic beta-amino acid esters from methionine, allylglycine, and serine. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 3375-82	4.2	40
245	Multiple ligands in opioid research. <i>Protein and Peptide Letters</i> , <b>2008</b> , 15, 668-82	1.9	37
244	Benzophenone- and indolecarboxylic acids: potent type-2 specific inhibitors of human steroid 5 alpha-reductase. <i>Journal of Medicinal Chemistry</i> , <b>1995</b> , 38, 13-5	8.3	37
243	New cholesterol esterase inhibitors based on rhodanine and thiazolidinedione scaffolds. <i>Bioorganic and Medicinal Chemistry</i> , <b>2011</b> , 19, 7453-63	3.4	36
242	Electrocatalysis of sulfur and polysulfides in LiS batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 19704-19728	13	36
241	The CYP2B6*6 allele significantly alters the N-demethylation of ketamine enantiomers in vitro. <i>Drug Metabolism and Disposition</i> , <b>2013</b> , 41, 1264-72	4	35
240	Boronate probes for the detection of hydrogen peroxide release from human spermatozoa. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 81, 69-76	7.8	35
239	Biotin analogues with antibacterial activity are potent inhibitors of biotin protein ligase. <i>ACS Medicinal Chemistry Letters</i> , <b>2012</b> , 3, 509-14	4.3	35
238	Investigation into the P3 binding domain of m-calpain using photoswitchable diazo- and triazene-dipeptide aldehydes: new anticataract agents. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 2916-20	8.3	35
237	Photoswitchable membranes based on peptide-modified nanoporous anodic alumina: toward smart membranes for on-demand molecular transport. <i>Advanced Materials</i> , <b>2015</b> , 27, 3019-24	24	34
236	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> , <b>2015</b> , 82, 281-94	2.6	33

- 235 Synthesis and Properties of Ring-Deactivated Deuterated (Hydroxymethyl)pyrroles. *Journal of the American Chemical Society*, **1998**, 120, 1741-1746 16.4 33
- 234 Nanoporous Anodic Alumina Photonic Crystals for Optical Chemo- and Biosensing: Fundamentals, Advances, and Perspectives. *Nanomaterials*, **2018**, 8, 5-4 33
- 233 Unraveling the interplay of backbone rigidity and electron rich side-chains on electron transfer in peptides: the realization of tunable molecular wires. *Journal of the American Chemical Society*, **2014**, 136, 12479-88 16.4 32
- 232 Optimising in situ click chemistry: the screening and identification of biotin protein ligase inhibitors. *Chemical Science*, **2013**, 4, 3533 9.4 31
- 231 Olefin Metathesis: Catalyst Development, Microwave Catalysis, and Domino Applications. *Australian Journal of Chemistry*, **2005**, 58, 3 1.2 31
- 230 Inhibition studies on salicylate synthase. *Organic and Biomolecular Chemistry*, **2005**, 3, 1825-7 3.9 31
- 229 5-benzylidenerhodanine and 5-benzylidene-2-4-thiazolidinedione based antibacterials. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 2720-2 2.9 30
- 228 Electron transfer through peptides attached to vertically aligned carbon nanotube arrays: a mechanistic transition. *Chemical Communications*, **2012**, 48, 1132-4 5.8 30
- 227 Synthesis and X-ray Crystallographic Structure of Leucine-Phenylalanyl Succinimide-Based Pseudopeptides. *Journal of Organic Chemistry*, **1997**, 62, 1509-1513 4.2 30
- 226 Enantioselective synthesis of alpha-fluorinated beta-2-amino acids. *Organic Letters*, **2008**, 10, 885-7 6.2 30
- 225 Structural characterization of Staphylococcus aureus biotin protein ligase and interaction partners: an antibiotic target. *Protein Science*, **2013**, 22, 762-73 6.3 29
- 224 Taming the Light in Microstructured Optical Fibers for Sensing. *International Journal of Applied Glass Science*, **2015**, 6, 229-239 1.8 29
- 223 A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. *Sensors*, **2015**, 15, 31904-13 3.8 29
- 222 Development of Aqueous Metathesis Catalysts. *Australian Journal of Chemistry*, **2009**, 62, 91 1.2 29
- 221 Photoswitch inhibitors of alpha-chymotrypsin--increased substitution and peptidic character in peptidomimetic boronate esters. *Organic and Biomolecular Chemistry*, **2006**, 4, 3618-25 3.9 29
- 220 Photopharmacological Control of Cyclic Antimicrobial Peptides. *ChemBioChem*, **2018**, 19, 2591-2597 3.8 29
- 219 Microstructured optical fibers and live cells: a water-soluble, photochromic zinc sensor. *Biomacromolecules*, **2013**, 14, 3376-9 6.9 27
- 218 Synthesis of 1,2-disubstituted pyrroles: A cis peptide bond surrogate. *Tetrahedron Letters*, **1992**, 33, 5831-5832 27

217	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12727-32	9.5	27
216	Azobenzene-containing photoswitchable proteasome inhibitors with selective activity and cellular toxicity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2017</b> , 25, 5050-5054	3.4	26
215	Electrochemistry of catechol terminated monolayers with Cu(II), Ni(II) and Fe(III) cations: a model for the marine adhesive interface. <i>Langmuir</i> , <b>2008</b> , 24, 9074-81	4	26
214	Improved photocontrol of alpha-chymotrypsin activity: peptidomimetic trifluoromethylketone photoswitch enzyme inhibitors. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 7358-65	4.8	26
213	Synthesis of substituted cyclohexenyl-based beta-amino acids by ring-closing metathesis. <i>Organic Letters</i> , <b>2002</b> , 4, 3663-6	6.2	26
212	1,2,3-triazolyl amino acids as AMPA receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 7512-5	2.9	25
211	Engineering of Surface Chemistry for Enhanced Sensitivity in Nanoporous Interferometric Sensing Platforms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 8929-8940	9.5	24
210	Biological hydrogen peroxide detection with aryl boronate and benzil BODIPY-based fluorescent probes. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 262, 750-757	8.5	24
209	Crowned spiropyran fluoroionophores with a carboxyl moiety for the selective detection of lithium ions. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 3752-7	3.9	24
208	New cylindrical peptide assemblies defined by extended parallel $\beta$ -sheets. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 425-9	3.9	24
207	Structure guided design of biotin protein ligase inhibitors for antibiotic discovery. <i>Current Topics in Medicinal Chemistry</i> , <b>2014</b> , 14, 4-20	3	24
206	Synthesis and extended activity of triazole-containing macrocyclic protease inhibitors. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 7975-81	4.8	23
205	The Reaction of N-Magnesium Derivatives of Pyrroles with N-Mesylchloromethylpyrroles: A Synthesis of Dipyrlylmethanes. <i>Journal of Organic Chemistry</i> , <b>1998</b> , 63, 8163-8169	4.2	23
204	Synthesis of cyclic acylated enamino ester dipeptide analogs via the bromolactonization of a keto acid phosphorane. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 14-15	4.2	23
203	Alpha-ketoester-based photobiological switches: synthesis, peptide chain extension and assay against alpha-chymotrypsin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 2441-4	2.9	22
202	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> , <b>2001</b> , 66, 3747-52	4.2	22
201	A lithium/polysulfide semi-solid rechargeable flow battery with high output performance. <i>RSC Advances</i> , <b>2014</b> , 4, 47517-47520	3.7	21
200	Macrocyclic protease inhibitors with reduced peptide character. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 7828-31	16.4	21

199	Electrochemical and Computational Studies on Intramolecular Dissociative Electron Transfer in $\alpha$ -Peptides. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 26608-26617	3.8	21
198	Engineering the Slow Photon Effect in Photoactive Nanoporous Anodic Alumina Gradient-Index Filters for Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 24124-24136	9.5	21
197	Molecular modeling: a search for a calpain inhibitor as a new treatment for cataractogenesis. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 7503-22	8.3	20
196	Ascorbic acid-based inhibitors of alpha-amylases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1998</b> , 8, 1703-6	2.9	20
195	Photocontrol of peptide secondary structure through non-azobenzene photoswitches. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , <b>2019</b> , 40, 1-20	16.4	19
194	Real-Time Binding Monitoring between Human Blood Proteins and Heavy Metal Ions in Nanoporous Anodic Alumina Photonic Crystals. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10039-10048	7.8	19
193	Design and synthesis of aromatic inhibitors of anthranilate synthase. <i>Organic and Biomolecular Chemistry</i> , <b>2005</b> , 3, 2271-81	3.9	19
192	Synthesis of functionalized piperidinones. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 2432-6	4.2	19
191	Leucine-phenylalanine dipeptide-based N-mesyloxysuccinimides: synthesis of all four stereoisomers and their assay against serine proteases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 497-500	2.9	19
190	Halogenation of keto acid phosphoranes: synthesis of halo enol lactones and haloallenes. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 1531-1537	4.2	19
189	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 $\beta$ -reductases. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1994</b> , 4, 1365-1368	2.9	19
188	Peptides as Bio-Inspired Electronic Materials: An Electrochemical and First-Principles Perspective. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2237-2246	24.3	19
187	Structural tailoring of nanoporous anodic alumina optical microcavities for enhanced resonant recirculation of light. <i>Nanoscale</i> , <b>2018</b> , 10, 14139-14152	7.7	19
186	Succinimide and saccharin-based enzyme-activated inhibitors of serine proteases. <i>Current Pharmaceutical Design</i> , <b>1999</b> , 5, 405-15	3.3	19
185	Heterocyclic acyl-phosphate bioisostere-based inhibitors of Staphylococcus aureus biotin protein ligase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2014</b> , 24, 4689-4693	2.9	18
184	New 26S proteasome inhibitors with high selectivity for chymotrypsin-like activity and p53-dependent cytotoxicity. <i>ACS Chemical Biology</i> , <b>2013</b> , 8, 353-9	4.9	18
183	Hyperspectral microscopy can detect metabolic heterogeneity within bovine post-compaction embryos incubated under two oxygen concentrations (7% versus 20%). <i>Human Reproduction</i> , <b>2017</b> , 32, 2016-2025	5.7	18
182	Electrochemistry of ferrocenoyl beta-peptide monolayers on gold. <i>Langmuir</i> , <b>2010</b> , 26, 1334-9	4	18

181	A robust and recyclable ruthenium catalyst immobilised on polyethylene glycol. <i>Tetrahedron Letters</i> , <b>2009</b> , 50, 5340-5343	2	18
180	Structural optimization of photoswitch ligands for surface attachment of alpha-chymotrypsin and regulation of its surface binding. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 6983-92	4.8	18
179	Synthesis, biological evaluation and molecular modelling of N-heterocyclic dipeptide aldehydes as selective calpain inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2008</b> , 16, 6911-23	3.4	18
178	Progress towards an intramolecular Diels-Alder ring-expansion approach to taxinine: the interplay of Lewis acids and high pressure. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 2723-2727	2	18
177	Lithium vanadium phosphate as cathode material for lithium ion batteries. <i>Ionics</i> , <b>2015</b> , 21, 1201-1239	2.7	17
176	Photoswitchable calcium sensor: On-Off sensing in cells or with microstructured optical fibers. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 252, 965-972	8.5	17
175	Dual roles of F123 in protein homodimerization and inhibitor binding to biotin protein ligase from <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , <b>2014</b> , 91, 110-20	4.1	17
174	Synthesis and conformation of fluorinated $\alpha$ -peptidic compounds. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 6655-62	4.8	17
173	An improved large scale procedure for the preparation of N-Cbz amino acids. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 1493-1494	2	17
172	Halogenation of Biotin Protein Ligase Inhibitors Improves Whole Cell Activity against <i>Staphylococcus aureus</i> . <i>ACS Infectious Diseases</i> , <b>2018</b> , 4, 175-184	5.5	17
171	Macrocyclic Peptidomimetics Prepared by Ring-Closing Metathesis and Azide-Alkyne Cycloaddition. <i>Australian Journal of Chemistry</i> , <b>2017</b> , 70, 138	1.2	16
170	Biosynthetically Guided Structure-Activity Relationship Studies of Merochlorin A, an Antibiotic Marine Natural Product. <i>ChemMedChem</i> , <b>2017</b> , 12, 1969-1976	3.7	16
169	Improved Synthesis of Biotinol-5'-AMP: Implications for Antibacterial Discovery. <i>ACS Medicinal Chemistry Letters</i> , <b>2015</b> , 6, 216-20	4.3	16
168	Al and/or Ni-doped nanomanganese dioxide with anisotropic expansion and their electrochemical characterisation in primary LiMnO <sub>2</sub> batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2014</b> , 18, 1585-1591	2.6	16
167	Synthesis and X-ray structure of a 1,2,3,6-tetrahydropyridine-based phenylalanine mimetic. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 9563-9566	2	16
166	Ring-deactivated hydroxyalkylpyrrole-based inhibitors of alpha-chymotrypsin: synthesis and mechanism of action. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 2103-10	3.9	16
165	Cross-metathesis coupling of sugars and fatty acids to lysine and cysteine. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2555-7	3.9	16
164	Electrochemical Activity of Nitrogen-Containing Groups in Organic Electrode Materials and Related Improvement Strategies. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002523	21.8	16



163	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. <i>ACS Omega</i> , <b>2017</b> , 2, 6201-6210	3.9	15
162	Photoswitchable peptide-based 'on-off' biosensor for electrochemical detection and control of protein-protein interactions. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 118, 188-194	11.8	15
161	The correlation of electrochemical measurements and molecular junction conductance simulations in $\beta$ -strand peptides. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 5926-33	4.8	15
160	Voltammetric and Electrochemical Impedance Study of Ferrocenyl Containing $\beta$ -Peptide Monolayers on Gold. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 7516-7526	3.8	15
159	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> , <b>1990</b> , 55, 5217-5221	4.2	15
158	Rational Management of Photons for Enhanced Photocatalysis in Structurally-Colored Nanoporous Anodic Alumina Photonic Crystals. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 1169-1184	6.1	15
157	Real-Time Probe for the Efficient Sensing of Inorganic Fluoride and Copper Ions in Aqueous Media. <i>ChemistrySelect</i> , <b>2018</b> , 3, 11593-11600	1.8	15
156	Structure-Activity Relationship of 2,4-Dichloro-N-(3,5-dichloro-4-(quinolin-3-yloxy)phenyl)benzenesulfonamide (INT131) Analogs for PPAR $\beta$ -Targeted Antidiabetics. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 4584-4593	8.3	14
155	Integrating surface plasmon resonance and slow photon effects in nanoporous anodic alumina photonic crystals for photocatalysis. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 3158-3176	5.5	14
154	The effect of a macrocyclic constraint on electron transfer in helical peptides: a step towards tunable molecular wires. <i>Chemical Communications</i> , <b>2014</b> , 50, 1652-4	5.8	14
153	The Influence of Secondary Structure on Electron Transfer in Peptides. <i>Australian Journal of Chemistry</i> , <b>2013</b> , 66, 848	1.2	14
152	New tripeptide-based macrocyclic calpain inhibitors formed by N-alkylation of histidine. <i>Chemistry and Biodiversity</i> , <b>2012</b> , 9, 2473-84	2.5	14
151	Synthesis of 5-Phenyl 2-Functionalized Pyrroles by Amino Heck and Tandem Amino Heck Carbonylation Reactions. <i>Australian Journal of Chemistry</i> , <b>2007</b> , 60, 624	1.2	14
150	Synthesis of Lactam-Based Peptidomimetics from $\beta$ -Keto Esters and $\beta$ -Keto Amides. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 9668-9672	4.2	14
149	Synthesis of Cyclic Acylated Enamino Esters from Enol Lactones, 4-Keto amides, and 5-Hydroxy Lactams. <i>Journal of Organic Chemistry</i> , <b>1995</b> , 60, 1214-1220	4.2	14
148	Biotin Protein Ligase Is a Target for New Antibacterials. <i>Antibiotics</i> , <b>2016</b> , 5,	4.9	14
147	Light-Confining Nanoporous Anodic Alumina Microcavities by Apodized Stepwise Pulse Anodization. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4418-4434	5.6	14
146	Development of a Photoswitchable Lithium-Sensitive Probe to Analyze Nonselective Cation Channel Activity in Migrating Cancer Cells. <i>Molecular Pharmacology</i> , <b>2019</b> , 95, 573-583	4.3	13



145	Increased redox-active peptide loading on carbon nanotube electrodes. <i>Electrochimica Acta</i> , <b>2013</b> , 89, 206-211	6.7	13
144	Nuclear magnetic resonance characterization of 6 alpha-chloro-5 beta-cholestane-3 beta,5-diol formed from the reaction of hypochlorous acid with cholesterol. <i>Lipids</i> , <b>1997</b> , 32, 363-7	1.6	13
143	Electrochemical Mechanism for FeS <sub>2</sub> /C Composite in Lithium Ion Batteries with Enhanced Reversible Capacity. <i>Energies</i> , <b>2016</b> , 9, 225	3.1	13
142	Light-confining semiconductor nanoporous anodic alumina optical microcavities for photocatalysis. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 22514-22529	13	13
141	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. <i>Tetrahedron</i> , <b>2018</b> , 74, 1240-1244	2.4	13
140	Progress in Solid Polymer Electrolytes for Lithium-Ion Batteries and Beyond. <i>Small</i> , <b>2021</b> , e2103617	11	13
139	A reversible fluoride chemosensor for the development of multi-input molecular logic gates. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 12734-12743	3.6	12
138	A comparison of steroidal and non-steroidal inhibitors of human steroid 5 $\beta$ -reductase: New tricyclic aryl acid inhibitors of the type-1 isozyme. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1996</b> , 6, 481-484	2.9	12
137	Targeting PCNA with Peptide Mimetics for Therapeutic Purposes. <i>ChemBioChem</i> , <b>2020</b> , 21, 442-450	3.8	12
136	Unique Metal Cation Recognition via Crown Ether-Derivatized Oligo(phenyleneethynylene) Molecular Junction. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8496-8503	3.8	11
135	Evaluation of 4'-substituted bicyclic pyridones as non-steroidal inhibitors of steroid 5alpha-reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 3603-7	2.9	11
134	Cross-metathesis and ring-closing metathesis reactions of amino acid-based substrates. <i>Tetrahedron</i> , <b>2008</b> , 64, 3980-3997	2.4	11
133	Synthesis of amino acid derived seven-membered lactams by RCM and their evaluation against HIV protease. <i>Bioorganic and Medicinal Chemistry</i> , <b>2006</b> , 14, 8323-31	3.4	11
132	Cretaceous fire in Australia: a review with new geochemical evidence, and relevance to the rise of the angiosperms. <i>Australian Journal of Botany</i> , <b>2016</b> , 64, 564	1.2	11
131	Spiropyran-Based Nanocarrier: A New Zn <sup>2+</sup> -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 854-862	4.8	11
130	Exploiting the interplay of quantum interference and backbone rigidity on electronic transport in peptides: a step towards bio-inspired quantum interferometers. <i>Molecular Systems Design and Engineering</i> , <b>2017</b> , 2, 67-77	4.6	10
129	Ring closing metathesis of $\beta$ - and $\gamma$ -amino acid derived dienes. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 5487-5496	2.3	10
128	Synthesis and solid state conformation of phenylalanine mimetics constrained in a proline-like conformation. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2365-70	3.9	10

127	A diastereoselective synthesis of the tetrahydropyridazinone core of 2-oxo-1,6-diazobicyclo[4.3.0]nonane-9-carboxylate-based peptidomimetics starting from (S)-phenylalanine. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 4227-4230	2	10
126	Ring-deactivated hydroxymethylpyrroles as inhibitors of alpha-chymotrypsin. <i>Bioorganic and Medicinal Chemistry</i> , <b>2001</b> , 9, 621-8	3.4	10
125	Synthesis, X-ray and conformational studies of novel tetrazole-containing macrocycles: 4,13-dioxo-1,7,8,9,17,18,19,20-octaazatricyclo[14.2.1.17,10]icosa-8,10(20),16(19),17-tetraene and 4,14-dioxo-1,7,8,9,10,18,19,20-octaazatricyclo[15.2.1.07,10]icosa-8,10,17(20),18-tetraene. <i>Perkin Transactions II RSC</i> , <b>2001</b> , 417-421		10
124	A non-steroidal diene acid inhibitor of human type 2 steroid 5 $\beta$ -reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1994</b> , 4, 2327-2330	2.9	10
123	Synthesis and hydrolysis of dipeptide isosteres containing a proline analogue with latent reactivity. <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 3005-3008	2	10
122	A mechanistic study on the inhibition of $\alpha$ -chymotrypsin by a macrocyclic peptidomimetic aldehyde. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 6970-8	3.9	9
121	New Series of BPL Inhibitors To Probe the Ribose-Binding Pocket of Biotin Protein Ligase. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 1068-1072	4.3	9
120	Rational Design of a 3-Helical PIP-Box Mimetic Targeting PCNA, the Human Sliding Clamp. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11325-11331	4.8	9
119	A Study on the Diastereoselective Synthesis of $\beta$ -Fluorinated $\beta$ -Amino Acids by $\beta$ -Fluorination. <i>Helvetica Chimica Acta</i> , <b>2012</b> , 95, 2460-2473	2	9
118	A template-based approach to inhibitors of calpain 2, 20S proteasome, and HIV-1 protease. <i>ChemMedChem</i> , <b>2013</b> , 8, 1918-21	3.7	9
117	Evaluation of a novel calpain inhibitor as a treatment for cataract. <i>Clinical and Experimental Ophthalmology</i> , <b>2008</b> , 36, 852-60	2.4	9
116	Unravelling Structural Dynamics within a Photoswitchable Single Peptide: A Step Towards Multimodal Bioinspired Nanodevices. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 22554-22562	16.4	9
115	Nanoporous photonic crystals with tailored surface chemistry for ionic copper sensing. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 12278-12289	7.1	9
114	Electrochemical Engineering of Nanoporous Materials for Photocatalysis: Fundamentals, Advances, and Perspectives. <i>Catalysts</i> , <b>2019</b> , 9, 988	4	9
113	Developments in the design and synthesis of calpain inhibitors. <i>Current Opinion in Drug Discovery &amp; Development</i> , <b>2005</b> , 8, 684-700		9
112	Surface Functionalization of Exposed Core Glass Optical Fiber for Metal Ion Sensing. <i>Sensors</i> , <b>2019</b> , 19,	3.8	8
111	Short Photoswitchable Antibacterial Peptides. <i>ChemMedChem</i> , <b>2020</b> , 15, 1505-1508	3.7	8
110	A Rationally Designed, Spiropyran-Based Chemosensor for Magnesium. <i>Chemosensors</i> , <b>2018</b> , 6, 17	4	8

109	Fluorinated $\alpha$ - and $\beta$ -Amino Acids: Synthesis and Inhibition of $\beta$ -Chymotrypsin. <i>Synthesis</i> , <b>2010</b> , 2010, 1845-1859	2.9	8
108	Studies of a soluble polyethylene glycol immobilized ruthenium catalyst in aqueous media. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 878-880	2	8
107	Synthesis and protein conjugation studies of vitamin K analogues. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 5785-91	3.4	8
106	Simple bi- and tricyclic inhibitors of human steroid 5 $\alpha$ -reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2000</b> , 10, 1909-11	2.9	8
105	Turning electron transfer $\beta$ n-off $\beta$ n peptides through side-bridge gating. <i>Electrochimica Acta</i> , <b>2016</b> , 209, 65-74	6.7	8
104	Electrochemical plasmonic optical fiber probe for real-time insight into coreactant electrochemiluminescence. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 321, 128469	8.5	7
103	Macrocyclic Protease Inhibitors with Reduced Peptide Character. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 7962-7965	3.65	7
102	Photoregulation of $\beta$ -Chymotrypsin Activity by Spiropyran-Based Inhibitors in Solution and Attached to an Optical Fiber. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10703-13	4.8	7
101	An unusual kynurenine-containing opioid tetrapeptide from the skin gland secretion of the Australian red tree frog <i>Litoria rubella</i> . Sequence determination by electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1735-40	2.2	7
100	Efficient Large-Scale Synthesis of CAT811, a Potent Calpain Inhibitor of Interest in the Treatment of Cataracts. <i>Australian Journal of Chemistry</i> , <b>2009</b> , 62, 671	1.2	7
99	Novel multiple opioid ligands based on 4-aminobenzazepinone (Aba), azepinoindole (Aia) and tetrahydroisoquinoline (Tic) scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 1610-3	2.9	7
98	Synthesis and evaluation of eight-membered cyclic pseudo-dipeptides. <i>Peptides</i> , <b>2005</b> , 26, 251-8	3.8	7
97	Olefin cross-metathesis of a vinyl-terminated self-assembled monolayer (SAM) on Au(111): electrochemical study using a ferrocenyl redox center. <i>Langmuir</i> , <b>2006</b> , 22, 9304-12	4	7
96	Peptidic Aldehydes Based on $\alpha$ - and $\beta$ -Amino Acids: Synthesis, Inhibition of m-Calpain, and Anti-Cataract Properties. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 877	1.2	7
95	$\beta$ -Methylene tetrazole-based peptidomimetics: synthesis and inhibition of HIV protease. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2002</b> , 172-178		7
94	The synthesis and P388 cytotoxicity of mycalazol 11 and related 5-acyl-2-hydroxymethylpyrroles. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1999</b> , 9, 505-8	2.9	7
93	Cardiovascular bioimaging of nitric oxide: Achievements, challenges, and the future. <i>Medicinal Research Reviews</i> , <b>2021</b> , 41, 435-463	14.4	7
92	Realization of high-quality optical nanoporous gradient-index filters by optimal combination of anodization conditions. <i>Nanoscale</i> , <b>2020</b> , 12, 9404-9415	7.7	6

91	New Peptidomimetic Boronates for Selective Inhibition of the Chymotrypsin-like Activity of the 26S Proteasome. <i>ACS Medicinal Chemistry Letters</i> , <b>2016</b> , 7, 1039-1043	4.3	6
90	Fluorescent IGF-II analogues for FRET-based investigations into the binding of IGF-II to the IGF-1R. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 2698-705	3.9	6
89	A comparative study of the fluorescence and photostability of common photoswitches in microstructured optical fibre. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 239, 474-480	8.5	6
88	A Rationally Designed Reversible 'Turn-Off' Sensor for Glutathione. <i>Biosensors</i> , <b>2017</b> , 7,	5.9	6
87	A new metabotropic glutamate receptor agonist with in vivo anti-allodynic activity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2010</b> , 18, 6089-98	3.4	6
86	A Convenient Method for the Synthesis of Dehydroquinic Acid. <i>Synthetic Communications</i> , <b>2003</b> , 33, 527-533	5.3	6
85	Stereocontrol of the Horner-Wadsworth-Emmons Reaction: Application to the Synthesis of HIV-1 Protease Inhibitors. <i>Australian Journal of Chemistry</i> , <b>2001</b> , 54, 391	1.2	6
84	The synthesis and solid state structure of (8S)-8-benzyl-8,9-dihydro-7H-tetrazolo[1,5-d][1,4]diazepin-6-one. <i>Chemical Communications</i> , <b>2001</b> , 2080-1	5.8	6
83	Properties and Reactions of Ring-Deactivated Deuterated Hydroxymethylpyrroles. <i>Organic Letters</i> , <b>1999</b> , 1, 1403-1405	6.2	6
82	Colorimetric Receptors for the Detection of Biologically Important Anions and Their Application in Designing Molecular Logic Gate. <i>ChemistrySelect</i> , <b>2020</b> , 5, 13135-13143	1.8	6
81	Mycobacterium tuberculosis Dethiobiotin Synthetase Facilitates Nucleoside Triphosphate Promiscuity through Alternate Binding Modes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 10774-10783	13.1	6
80	Engineering of Broadband Nanoporous Semiconductor Photonic Crystals for Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 57079-57092	9.5	5
79	Constructing Dual-Molecule Junctions to Probe Intermolecular Crosstalk. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 30584-30590	9.5	5
78	Chemical Synthesis of a Fluorescent IGF-II Analogue. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2013</b> , 19, 61-69	2.1	5
77	The Preparation of Macrocyclic Calpain Inhibitors by Ring Closing Metathesis and Cross Metathesis. <i>Australian Journal of Chemistry</i> , <b>2014</b> , 67, 1257	1.2	5
76	Simple cis-epoxide-based inhibitors of HIV-1 protease. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1997</b> , 7, 2853-2856	2.9	5
75	Low temperature NMR study of the acylation of a stabilized ylide: C- versus O-acylation. <i>Journal of Organic Chemistry</i> , <b>1989</b> , 54, 2762-2763	4.2	5
74	Rationally designed peptide-based inhibitor of A $\beta$ 42 fibril formation and toxicity: a potential therapeutic strategy for Alzheimer's disease. <i>Biochemical Journal</i> , <b>2020</b> , 477, 2039-2054	3.8	5

73	Excellent electronic conductivity, insolubility and rate characteristics of DAAP based on chemical bonding with carbon fiber felt. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11521-11528	13	4
72	Diagnostic di- and triphosphate cyclisation in the negative ion electrospray mass spectra of phosphoSer peptides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 2649-56	2.2	4
71	pH-Dependent Wettability of Carboxyphenyl Films Grafted to Glassy Carbon. <i>Australian Journal of Chemistry</i> , <b>2011</b> , 64, 122	1.2	4
70	The preparation of side chain functionalized analogues of coenzyme Q for protein conjugation studies. <i>Organic and Biomolecular Chemistry</i> , <b>2004</b> , 2, 2371-5	3.9	4
69	An amino acid N-derivatising group that can be coloured on demand. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3673-3675	4	
68	Heterocyclic-based peptidomimetics. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2001</b> , 8, 267-272		4
67	A simple method for the preparation of 3-hydroxyiminodehydroquinone, a potent inhibitor of type II dehydroquinase. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2002</b> , 2065-2068		4
66	A Convenient Preparation of (2S,3S)-3-Amino-2-hydroxy-4-phenylbutanoic Acid; an Important Peptide Bond Isostere. <i>Synthetic Communications</i> , <b>1999</b> , 29, 2515-2525	1.7	4
65	The Preparation and Biological Activity of Lactam-Based, Non-Steroidal, Inhibitors of Human Type-1 Steroid 5 $\beta$ -Reductase.. <i>Australian Journal of Chemistry</i> , <b>1998</b> , 51, 389	1.2	4
64	Synthesis and Properties of a Mesylated ArgoGel Resin. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 355	1.2	4
63	Emerging Therapeutic Applications for Fumarates. <i>Trends in Pharmacological Sciences</i> , <b>2021</b> , 42, 239-254	13.2	4
62	Tripeptide analogues of MG132 as protease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 436-441	3.4	4
61	Control of Molecular Recognition via Modulation of the Nanoenvironment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 41866-41870	9.5	4
60	Defining the optimal morphology of Rhn nanoparticles for efficient hydrazine adsorption: a DFT-D3 study. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 9533-9542	4.3	3
59	Tailor-engineered plasmonic single-lattices: harnessing localized surface plasmon resonances for visible-NIR light-enhanced photocatalysis. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 3195-3211	5.5	3
58	Unravelling electron transfer in peptide-cation complexes: a model for mimicking redox centres in proteins. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 8409-8417	3.6	3
57	A template guided approach to generating cell permeable inhibitors of Staphylococcus aureus biotin protein ligase. <i>Tetrahedron</i> , <b>2018</b> , 74, 1175-1183	2.4	3
56	Sulfonamide-Based Inhibitors of Biotin Protein Ligase as New Antibiotic Leads. <i>ACS Chemical Biology</i> , <b>2019</b> , 14, 1990-1997	4.9	3

55	Crosslinking of gelatin by ring opening metathesis under aqueous conditions—an exploratory study. <i>Polymers for Advanced Technologies</i> , <b>2014</b> , 25, 1371-1375	3.2	3
54	The synthesis of NPPB and NPBB by reductive amination and the effects of these compounds on K <sup>+</sup> channels of the alga <i>Nitella hookeri</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 293-5	2.9	3
53	Heterocyclic-based peptidomimetics. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2001</b> , 8, 267-272		3
52	Kinetic characterisation of ene-diol-based inhibitors of alpha-amylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2000</b> , 10, 1575-6	2.9	3
51	Harnessing Slow Light in Optoelectronically Engineered Nanoporous Photonic Crystals for Visible Light-Enhanced Photocatalysis. <i>ACS Catalysis</i> , 12947-12962	13.1	3
50	Enhancing Forbidden Light Propagation in Nanoporous Anodic Alumina Gradient-Index Filters by Alcohol Additives. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 12115-12129	5.6	3
49	A controllable mechanistic transition of charge transfer in helical peptides: from hopping to superexchange. <i>RSC Advances</i> , <b>2017</b> , 7, 42370-42378	3.7	3
48	A biophotonic approach to measure pH in small volumes in vitro: Quantifiable differences in metabolic flux around the cumulus-oocyte-complex (COC). <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201960038 <sup>1</sup>	3.1	3
47	A Silk-Based Functionalization Architecture for Single Fiber Imaging and Sensing. <i>Advanced Functional Materials</i> , 2010713	15.6	3
46	The key position: influence of staple location on constrained peptide conformation and binding. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 9731-9735	3.9	3
45	Inhibitors of types I and II dehydroquinase. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2004</b> , 4, 747-56	3.2	3
44	A hypoxia-activated antibacterial prodrug. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 127140	2.9	2
43	Crystal structure of highly glycosylated human leukocyte elastase in complex with an S2' site binding inhibitor. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2018</b> , 74, 480-489	1.1	2
42	N-heterocyclic dipeptide aldehyde calpain inhibitors. <i>Protein and Peptide Letters</i> , <b>2009</b> , 16, 1466-72	1.9	2
41	The Synthesis and Testing of $\alpha$ -(Hydroxymethyl)pyrroles as DNA Binding Agents. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 1073	1.2	2
40	Mechanically Induced Switching between Two Discrete Conductance States: A Potential Single-Molecule Variable Resistor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57646-57653	9.5	2
39	A Bimane-Based Peptide Staple for Combined Helical Induction and Fluorescent Imaging. <i>ChemBioChem</i> , <b>2020</b> , 21, 3423-3432	3.8	2
38	Unravelling Structural Dynamics within a Photoswitchable Single Peptide: A Step Towards Multimodal Bioinspired Nanodevices. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 22743-22751	3.6	2



37	Optical engineering of nanoporous photonic crystals by Gaussian-Like pulse anodization. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 312, 110770	5.3	2
36	Temperature-Dependent Tunneling in Furan Oligomer Single-Molecule Junctions. <i>ACS Sensors</i> , <b>2021</b> , 6, 565-572	9.2	2
35	Crystal Structure of Bovine Alpha-Chymotrypsin in Space Group P65. <i>Crystals</i> , <b>2018</b> , 8, 460	2.3	2
34	A Liposomal Platform for Sensing of Extracellular Analytes Near Cells. <i>Biosensors</i> , <b>2018</b> , 8,	5.9	2
33	A Novel Ruthenium-based Molecular Sensor to Detect Endothelial Nitric Oxide. <i>Scientific Reports</i> , <b>2019</b> , 9, 1720	4.9	1
32	Mechanistic insight into the non-hydrolytic sol-gel process of tellurite glass films to attain a high transmission.. <i>RSC Advances</i> , <b>2020</b> , 10, 2404-2415	3.7	1
31	Selective N-acylation and N-alkylation of biotin. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 9514-8	4.2	1
30	Removal of the nitro and phenyl groups from NPPB decreases its inhibitory effect on cytoplasmic streaming in the alga <i>Nitella hookeri</i> . <i>Biochemistry and Cell Biology</i> , <b>2005</b> , 83, 133-9	3.6	1
29	The preparation and evaluation of (+/-)-trans-1-Diazo-8-methoxy-4a-methyl-1,2,3,4,4a,9,10,10a-octahydro-phenanthren-2-one as an inhibitor of human type-1 steroid 5 $\beta$ -reductase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1996</b> , 6, 883-884	2.9	1
28	Optimization of structural expansion and contraction for TiS <sub>2</sub> by controlling the electrochemical window of intercalation/delithiation. <i>Materials Advances</i> , <b>2022</b> , 3, 1652-1659	3.3	1
27	Toll-Like Receptors change morphine-induced antinociception, tolerance and dependence: studies using male and female TLR and Signalling gene KO mice.. <i>Brain, Behavior, and Immunity</i> , <b>2022</b> ,	16.6	1
26	Optical Fibre-Enabled Photoswitching for Localised Activation of an Anti-Cancer Therapeutic Drug. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
25	Peptides as Bio-inspired Molecular Electronic Materials. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 1030, 131-153	3.6	1
24	Role of Spectral Resonance Features and Surface Chemistry in the Optical Sensitivity of Light-Confining Nanoporous Photonic Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 14394-14406	9.5	1
23	Approaches to Introduce Helical Structure in Cysteine-Containing Peptides with a Bimane Group. <i>ChemBioChem</i> , <b>2021</b> , 22, 2711-2720	3.8	1
22	Backbone-Constrained Peptides: Temperature and Secondary Structure Affect Solid-State Electron Transport. <i>Journal of Physical Chemistry B</i> , <b>2019</b> , 123, 10951-10958	3.4	1
21	Advanced Resistance Studies Identify Two Discrete Mechanisms in to Overcome Antibacterial Compounds that Target Biotin Protein Ligase. <i>Antibiotics</i> , <b>2020</b> , 9,	4.9	1
20	Unlocking the PIP-box: A peptide library reveals interactions that drive high-affinity binding to human PCNA. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100773	5.4	1

19	Real-time detection of per-fluoroalkyl substance (PFAS) self-assembled monolayers in nanoporous interferometers. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 355, 131340	8.5	o
18	From 1D to 1D $\bar{D}$ 1D: new insights into Li <sup>+</sup> diffusion behavior in optimized MnO <sub>2</sub> with the cooperative effect of tunnel and interface. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 24397-24405	13	o
17	The role of N-terminal heterocycles in hydrogen bonding to $\alpha$ -chymotrypsin. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 396-399	2.9	o
16	An improved synthesis of 4-aminobutanenitrile from 4-azidobutanenitrile and comments on room temperature stability. <i>Synthetic Communications</i> , <b>2021</b> , 51, 428-436	1.7	o
15	A cell permeable bimane-constrained PCNA-interacting peptide. <i>RSC Chemical Biology</i> , <b>2021</b> , 2, 1499-1508	9	o
14	Inhibition of Dethiobiotin Synthase (DTBS): Toward Next-Generation Antituberculosis Agents. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 2339-2347	4.9	o
13	Fluoride-Rich Solid Electrolyte Membrane in Solid-State Li <sup>+</sup> Batteries: Improvement of Lithium Cycle Stability and Shuttle Effects. <i>ACS Applied Energy Materials</i> , <b>2022</b> , 5, 2786-2794	6.1	o
12	Membranes: Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport (Adv. Mater. 19/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 2950-2950	24	
11	Rational Design of a 310-Helical PIP-Box Mimetic Targeting PCNA, the Human Sliding Clamp. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11238-11238	4.8	
10	The Synthesis of Peptide-Based Macrocycles by Huisgen Cycloaddition <b>2017</b> , 265-280		
9	N-[5-(3-Phenylpropionyl)-1H-pyrrole-2-carbonyl]-L-proline Methyl Ester. <i>MolBank</i> , <b>2003</b> , 2003, M338	0.5	
8	(R,S)-Benzyl 5-(1-Hydroxyethyl)-1H-pyrrole-2-carboxylate. <i>MolBank</i> , <b>2003</b> , 2003, M337	0.5	
7	The Wittig Reaction1-17		
6	Fast atom bombardment mass spectra of keto acid and keto ester phosphoranes. <i>Organic Mass Spectrometry</i> , <b>1993</b> , 28, 27-29		
5	Chemistry at the Interface. <i>Australian Journal of Chemistry</i> , <b>2004</b> , 57, 819	1.2	
4	Time-lapse confocal imaging-induced calcium ion discharge from the cumulus-oocyte complex at the time of cattle oocyte activation. <i>Reproduction, Fertility and Development</i> , <b>2020</b> , 32, 1223-1238	1.8	
3	Exploiting conformationally gated electron transfer in self-assembled azobenzene-containing cyclic peptides using light. <i>Electrochimica Acta</i> , <b>2021</b> , 381, 138232	6.7	
2	A turn-on fluorescent PCNA sensor. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 41, 128031	2.9	

- 1 Protein detection enabled using functionalised silk-binding peptides on a silk-coated optical fibre.. *RSC Advances*, **2021**, 11, 22334-22342 3·7