

# 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	A Silk-Based Functionalization Architecture for Single Fiber Imaging and Sensing. <i>Advanced Functional Materials</i> , 2022, 32, 2010713.	14.9	6
2	Progress in Solid Polymer Electrolytes for Lithium-Ion Batteries and Beyond. <i>Small</i> , 2022, 18, e2103617.	10.0	107
3	Spectral Engineering of Tamm Plasmon Resonances in Dielectric Nanoporous Photonic Crystal Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 22747-22761.	8.0	11
4	Real-time detection of per-fluoroalkyl substance (PFAS) self-assembled monolayers in nanoporous interferometers. <i>Sensors and Actuators B: Chemical</i> , 2022, 355, 131340.	7.8	5
5	Optimization of structural expansion and contraction for $TiS_2$ by controlling the electrochemical window of intercalation/delithiation. <i>Materials Advances</i> , 2022, 3, 1652-1659.	5.4	2
6	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> , 2022, , .	4.1	12
7	Fluoride-Rich Solid Electrolyte Membrane in Solid-State Li-S Batteries: Improvement of Lithium Cycle Stability and Shuttle Effects. <i>ACS Applied Energy Materials</i> , 2022, 5, 2786-2794.	5.1	5
8	Lasing from Narrow Bandwidth Light-Emitting One-Dimensional Nanoporous Photonic Crystals. <i>ACS Photonics</i> , 2022, 9, 1226-1239.	6.6	5
9	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
10	Structural Engineering of the Barrier Oxide Layer of Nanoporous Anodic Alumina for Iontronic Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 21181-21197.	8.0	7
11	High Lithium Ion Flux of Integrated Organic Electrode/Solid Polymer Electrolyte from In Situ Polymerization. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 27932-27940.	8.0	2
12	Cardiovascular bioimaging of nitric oxide: Achievements, challenges, and the future. <i>Medicinal Research Reviews</i> , 2021, 41, 435-463.	10.5	21
13	Optical engineering of nanoporous photonic crystals by Gaussian-Like pulse anodization. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110770.	4.4	8
14	An improved synthesis of 4-aminobutanenitrile from 4-azidobutanenitrile and comments on room temperature stability. <i>Synthetic Communications</i> , 2021, 51, 428-436.	2.1	3
15	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
16	An Inherently Fluorescent Peptide Constraint to Define Secondary Structure: Moving Away from Auxiliary Tags. <i>Australian Journal of Chemistry</i> , 2021, 74, 686-687.	0.9	1
17	Protein detection enabled using functionalised silk-binding peptides on a silk-coated optical fibre. <i>RSC Advances</i> , 2021, 11, 22334-22342.	3.6	1
18	A cell permeable bimeane-constrained PCNA-interacting peptide. <i>RSC Chemical Biology</i> , 2021, 2, 1499-1508.	4.1	5

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19	Temperature-Dependent Tunneling in Furan Oligomer Single-Molecule Junctions. <i>ACS Sensors</i> , 2021, 6, 565-572.	7.8	5
20	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> , 2021, 13, 14394-14406.	8.0	9
21	Emerging Therapeutic Applications for Fumarates. <i>Trends in Pharmacological Sciences</i> , 2021, 42, 239-254.	8.7	17
22	Exploiting conformationally gated electron transfer in self-assembled azobenzene-containing cyclic peptides using light. <i>Electrochimica Acta</i> , 2021, 381, 138232.	5.2	1
23	A turn-on fluorescent PCNA sensor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 41, 128031.	2.2	0
24	Approaches to Introduce Helical Structure in Cysteine-Containing Peptides with a Bimane Group. <i>ChemBioChem</i> , 2021, 22, 2711-2720.	2.6	4
25	Inhibition of <i>Mycobacterium tuberculosis</i> Dethiobiotin Synthase ( <i>Mt</i> DTBS): Toward Next-Generation Antituberculosis Agents. <i>ACS Chemical Biology</i> , 2021, 16, 2339-2347.	3.4	6
26	Unlocking the PIP-box: A peptide library reveals interactions that drive high-affinity binding to human PCNA. <i>Journal of Biological Chemistry</i> , 2021, 296, 100773.	3.4	9
27	From 1D to 1D <sup>2</sup> 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> , 2021, 9, 24397-24405.	10.3	2
28	Optical Fibre-Enabled Photoswitching for Localised Activation of an Anti-Cancer Therapeutic Drug. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10844.	4.1	3
29	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
30	Single-fiber-based probe for combined imaging and pH sensing. , 2021, , .		0
31	Mechanically Induced Switching between Two Discrete Conductance States: A Potential Single-Molecule Variable Resistor. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 57646-57653.	8.0	16
32	Targeting PCNA with Peptide Mimetics for Therapeutic Purposes. <i>ChemBioChem</i> , 2020, 21, 442-450.	2.6	24
33	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> , 2020, 13, e201960038.	2.3	7
34	Colorimetric Receptors for the Detection of Biologically Important Anions and Their Application in Designing Molecular Logic Gate. <i>ChemistrySelect</i> , 2020, 5, 13135-13143.	1.5	12
35	A Bimane-Based Peptide Staple for Combined Helical Induction and Fluorescent Imaging. <i>ChemBioChem</i> , 2020, 21, 3423-3432.	2.6	8
36	Unravelling Structural Dynamics within a Photoswitchable Single Peptide: A Step Towards Multimodal Bioinspired Nanodevices. <i>Angewandte Chemie</i> , 2020, 132, 22743-22751.	2.0	3

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37	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
38	Electrocatalysis of sulfur and polysulfides in Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19704-19728.	10.3	83
39	Engineering of Broadband Nanoporous Semiconductor Photonic Crystals for Visible-Light-Driven Photocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57079-57092.	8.0	18
40	Mechanistic insight into the non-hydrolytic sol-gel process of tellurite glass films to attain a high transmission. <i>RSC Advances</i> , 2020, 10, 2404-2415.	3.6	2
41	Excellent electronic conductivity, insolubility and rate characteristics of DAAP based on chemical bonding with carbon fiber felt. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11521-11528.	10.3	6
42	Constructing Dual-Molecule Junctions to Probe Intermolecular Crosstalk. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30584-30590.	8.0	7
43	Short Photoswitchable Antibacterial Peptides. <i>ChemMedChem</i> , 2020, 15, 1505-1508.	3.2	14
44	Tailor-engineered plasmonic single-lattices: harnessing localized surface plasmon resonances for visible-NIR light-enhanced photocatalysis. <i>Catalysis Science and Technology</i> , 2020, 10, 3195-3211.	4.1	12
45	Electrochemical plasmonic optical fiber probe for real-time insight into coreactant electrochemiluminescence. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128469.	7.8	7
46	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
47	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
48	Unravelling electron transfer in peptide-cation complexes: a model for mimicking redox centres in proteins. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8409-8417.	2.8	5
49	A hypoxia-activated antibacterial prodrug. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127140.	2.2	2
50	Advanced Resistance Studies Identify Two Discrete Mechanisms in <i>Staphylococcus aureus</i> to Overcome Antibacterial Compounds that Target Biotin Protein Ligase. <i>Antibiotics</i> , 2020, 9, 165.	3.7	3
51	Enhancing Forbidden Light Propagation in Nanoporous Anodic Alumina Gradient-Index Filters by Alcohol Additives. <i>ACS Applied Nano Materials</i> , 2020, 3, 12115-12129.	5.0	7
52	Rationally designed peptide-based inhibitor of A $\beta$ 242 fibril formation and toxicity: a potential therapeutic strategy for Alzheimer's disease. <i>Biochemical Journal</i> , 2020, 477, 2039-2054.	3.7	37
53	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> , 2020, 32, 1223.	0.4	0
54	Sulfonamide-Based Inhibitors of Biotin Protein Ligase as New Antibiotic Leads. <i>ACS Chemical Biology</i> , 2019, 14, 1990-1997.	3.4	5

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55	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
56	Surface Functionalization of Exposed Core Glass Optical Fiber for Metal Ion Sensing. <i>Sensors</i> , 2019, 19, 1829.	3.8	10
57	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
58	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
59	Defining the optimal morphology of Rhn nanoparticles for efficient hydrazine adsorption: a DFT-D3 study. <i>Journal of Materials Science</i> , 2019, 54, 9533-9542.	3.7	5
60	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
61	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
62	A Novel Ruthenium-based Molecular Sensor to Detect Endothelial Nitric Oxide. <i>Scientific Reports</i> , 2019, 9, 1720.	3.3	8
63	Light-confining semiconductor nanoporous anodic alumina optical microcavities for photocatalysis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 22514-22529.	10.3	23
64	Nanoporous photonic crystals with tailored surface chemistry for ionic copper sensing. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12278-12289.	5.5	14
65	Backbone-Constrained Peptides: Temperature and Secondary Structure Affect Solid-State Electron Transport. <i>Journal of Physical Chemistry B</i> , 2019, 123, 10951-10958.	2.6	5
66	Electrochemical Engineering of Nanoporous Materials for Photocatalysis: Fundamentals, Advances, and Perspectives. <i>Catalysts</i> , 2019, 9, 988.	3.5	18
67	Tripeptide analogues of MG132 as protease inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 436-441.	3.0	6
68	Double-Layered Modified Separators as Shuttle Suppressing Interlayers for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 541-549.	8.0	74
69	The role of N-terminal heterocycles in hydrogen bonding to $\alpha$ -chymotrypsin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 396-399.	2.2	2
70	Spiropyran-Based Nanocarrier: A New Zn <sup>2+</sup> -Responsive Delivery System with Real-Time Intracellular Sensing Capabilities. <i>Chemistry - A European Journal</i> , 2019, 25, 854-862.	3.3	17
71	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
72	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

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73	A template guided approach to generating cell permeable inhibitors of Staphylococcus aureus biotin protein ligase. Tetrahedron, 2018, 74, 1175-1183.	1.9	4
74	Halogenation of Biotin Protein Ligase Inhibitors Improves Whole Cell Activity against <i>Staphylococcus aureus</i> . ACS Infectious Diseases, 2018, 4, 175-184.	3.8	22
75	A spiropyran with enhanced fluorescence: A bright, photostable and red-emitting calcium sensor. Tetrahedron, 2018, 74, 1240-1244.	1.9	17
76	Crystal Structure of Bovine Alpha-Chymotrypsin in Space Group P65. Crystals, 2018, 8, 460.	2.2	4
77	Control of Molecular Recognition via Modulation of the Nanoenvironment. ACS Applied Materials & Interfaces, 2018, 10, 41866-41870.	8.0	4
78	A Liposomal Platform for Sensing of Extracellular Analytes Near Cells. Biosensors, 2018, 8, 117.	4.7	4
79	Nanoporous Anodic Alumina Photonic Crystals for Optical Chemo- and Biosensing: Fundamentals, Advances, and Perspectives. Nanomaterials, 2018, 8, 788.	4.1	56
80	<i>Mycobacterium tuberculosis</i> Dethiobiotin Synthetase Facilitates Nucleoside Triphosphate Promiscuity through Alternate Binding Modes. ACS Catalysis, 2018, 8, 10774-10783.	11.2	7
81	Real-Time Probe for the Efficient Sensing of Inorganic Fluoride and Copper Ions in Aqueous Media. ChemistrySelect, 2018, 3, 11593-11600.	1.5	18
82	Photopharmacological Control of Cyclic Antimicrobial Peptides. ChemBioChem, 2018, 19, 2591-2597.	2.6	44
83	Peptides as Bio-Inspired Electronic Materials: An Electrochemical and First-Principles Perspective. Accounts of Chemical Research, 2018, 51, 2237-2246.	15.6	28
84	Light-Confining Nanoporous Anodic Alumina Microcavities by Apodized Stepwise Pulse Anodization. ACS Applied Nano Materials, 2018, 1, 4418-4434.	5.0	21
85	Nature engineered diatom biosilica as drug delivery systems. Journal of Controlled Release, 2018, 281, 70-83.	9.9	106
86	Engineering the Slow Photon Effect in Photoactive Nanoporous Anodic Alumina Gradient-Index Filters for Photocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 24124-24136.	8.0	30
87	Structural tailoring of nanoporous anodic alumina optical microcavities for enhanced resonant recirculation of light. Nanoscale, 2018, 10, 14139-14152.	5.6	31
88	Rational Design of a 310-Helical PIP-Box Mimetic Targeting PCNA, the Human Sliding Clamp. Chemistry - A European Journal, 2018, 24, 11238-11238.	3.3	0
89	Real-Time Binding Monitoring between Human Blood Proteins and Heavy Metal Ions in Nanoporous Anodic Alumina Photonic Crystals. Analytical Chemistry, 2018, 90, 10039-10048.	6.5	29
90	Photoswitchable peptide-based "on-off" biosensor for electrochemical detection and control of protein-protein interactions. Biosensors and Bioelectronics, 2018, 118, 188-194.	10.1	20

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91	A Rationally Designed, Spiropyran-Based Chemosensor for Magnesium. <i>Chemosensors</i> , 2018, 6, 17.	3.6	11
92	Crystal structure of highly glycosylated human leukocyte elastase in complex with an S2 <sup>â€²</sup> site binding inhibitor. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2018, 74, 480-489.	0.8	15
93	Rational Design of a 3 <sup>&lt;sub&gt;10&lt;/sub&gt;</sup> â€”Helical PIPâ€”Box Mimetic Targeting PCNA, the Human Sliding Clamp. <i>Chemistry - A European Journal</i> , 2018, 24, 11325-11331.	3.3	16
94	Macrocyclic Peptidomimetics Prepared by Ring-Closing Metathesis and Azideâ€”Alkyne Cycloaddition. <i>Australian Journal of Chemistry</i> , 2017, 70, 138.	0.9	17
95	Engineering of Surface Chemistry for Enhanced Sensitivity in Nanoporous Interferometric Sensing Platforms. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8929-8940.	8.0	27
96	Structureâ€”Activity Relationship of 2,4-Dichloro- <i>N</i> -(3,5-dichloro-4-(quinolin-3-yloxy)phenyl)benzenesulfonamide (INT131) Analogs for PPAR $\beta$ -Targeted Antidiabetics. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4584-4593.	6.4	22
97	Azobenzene-containing photoswitchable proteasome inhibitors with selective activity and cellular toxicity. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 5050-5054.	3.0	33
98	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> , 2017, 2, 67-77.	3.4	11
99	Rationally Designed Probe for Reversible Sensing of Zinc and Application in Cells. <i>ACS Omega</i> , 2017, 2, 6201-6210.	3.5	20
100	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
101	Biosynthetically Guided Structureâ€”Activity Relationship Studies of Merochlorinâ€”A, an Antibiotic Marine Natural Product. <i>ChemMedChem</i> , 2017, 12, 1969-1976.	3.2	18
102	Photoswitchable calcium sensor: â€”Onâ€”â€”Offâ€” sensing in cells or with microstructured optical fibers. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 965-972.	7.8	19
103	A comparative study of the fluorescence and photostability of common photoswitches in microstructured optical fibre. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 474-480.	7.8	7
104	A Rationally Designed Reversible â€”Turn-Offâ€” Sensor for Glutathione. <i>Biosensors</i> , 2017, 7, 36.	4.7	11
105	A controllable mechanistic transition of charge transfer in helical peptides: from hopping to superexchange. <i>RSC Advances</i> , 2017, 7, 42370-42378.	3.6	5
106	Peptides as Bio-inspired Molecular Electronic Materials. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1030, 131-153.	1.6	1
107	Biotin Protein Ligase Is a Target for New Antibacterials. <i>Antibiotics</i> , 2016, 5, 26.	3.7	22
108	Electrochemical Mechanism for FeS <sub>2</sub> /C Composite in Lithium Ion Batteries with Enhanced Reversible Capacity. <i>Energies</i> , 2016, 9, 225.	3.1	17

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109	Cretaceous fire in Australia: a review with new geochemical evidence, and relevance to the rise of the angiosperms. <i>Australian Journal of Botany</i> , 2016, 64, 564.	0.6	12
110	Microstructured Optical Fiber-based Biosensors: Reversible and Nanoliter-Scale Measurement of Zinc Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12727-12732.	8.0	32
111	Turning electron transfer "on-off"™ in peptides through side-bridge gating. <i>Electrochimica Acta</i> , 2016, 209, 65-74.	5.2	10
112	The key position: influence of staple location on constrained peptide conformation and binding. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9731-9735.	2.8	5
113	New Peptidomimetic Boronates for Selective Inhibition of the Chymotrypsin-like Activity of the 26S Proteasome. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1039-1043.	2.8	9
114	A mechanistic study on the inhibition of $\beta$ -chymotrypsin by a macrocyclic peptidomimetic aldehyde. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 6970-6978.	2.8	11
115	New Series of BPL Inhibitors To Probe the Ribose-Binding Pocket of <i>Staphylococcus aureus</i> Biotin Protein Ligase. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1068-1072.	2.8	12
116	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
117	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
118	Fluorescent IGF-II analogues for FRET-based investigations into the binding of IGF-II to the IGF-1R. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2698-2705.	2.8	6
119	Nonesterified Fatty Acid-Induced Endoplasmic Reticulum Stress in Cattle Cumulus Oocyte Complexes Alters Cell Metabolism and Developmental Competence. <i>Biology of Reproduction</i> , 2016, 94, 23.	2.7	66
120	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
121	Taming the Light in Microstructured Optical Fibers for Sensing. <i>International Journal of Applied Glass Science</i> , 2015, 6, 229-239.	2.0	35
122	Photoregulation of $\beta$ -Chymotrypsin Activity by Spiropyran-Based Inhibitors in Solution and Attached to an Optical Fiber. <i>Chemistry - A European Journal</i> , 2015, 21, 10703-10713.	3.3	11
123	The Correlation of Electrochemical Measurements and Molecular Junction Conductance Simulations in $\beta$ -strand Peptides. <i>Chemistry - A European Journal</i> , 2015, 21, 5926-5933.	3.3	18
124	A Dual Sensor for pH and Hydrogen Peroxide Using Polymer-Coated Optical Fibre Tips. <i>Sensors</i> , 2015, 15, 31904-31913.	3.8	37
125	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
126	Improved Synthesis of Biotinol-5 <sup>2</sup> -AMP: Implications for Antibacterial Discovery. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 216-220.	2.8	19

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127	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
128	Membranes: Photoswitchable Membranes Based on Peptide-Modified Nanoporous Anodic Alumina: Toward Smart Membranes for On-Demand Molecular Transport ( <i>Adv. Mater.</i> 19/2015). <i>Advanced Materials</i> , 2015, 27, 2950-2950.	21.0	0
129	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
130	Lithium vanadium phosphate as cathode material for lithium ion batteries. <i>Ionics</i> , 2015, 21, 1201-1239.	2.4	20
131	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
132	Dual roles of F <sub>123</sub> 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
133	The Preparation of Macrocyclic Calpain Inhibitors by Ring Closing Metathesis and Cross Metathesis. <i>Australian Journal of Chemistry</i> , 2014, 67, 1257.	0.9	5
134	Al and/or Ni-doped nanomanganese dioxide with anisotropic expansion and their electrochemical characterisation in primary Li-MnO <sub>2</sub> batteries. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1585-1591.	2.5	21
135	Crosslinking of gelatin by ring opening metathesis under aqueous conditions – an exploratory study. <i>Polymers for Advanced Technologies</i> , 2014, 25, 1371-1375.	3.2	3
136	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
137	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
138	A lithium/polysulfide semi-solid rechargeable flow battery with high output performance. <i>RSC Advances</i> , 2014, 4, 47517-47520.	3.6	25
139	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
140	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
141	Macrocyclic Protease Inhibitors with Reduced Peptide Character. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7828-7831.	13.8	26
142	Chemical Synthesis of a Fluorescent IGF-II Analogue. <i>International Journal of Peptide Research and Therapeutics</i> , 2013, 19, 61-69.	1.9	5
143	Optimising in situ click chemistry: the screening and identification of biotin protein ligase inhibitors. <i>Chemical Science</i> , 2013, 4, 3533.	7.4	37
144	Increased redox-active peptide loading on carbon nanotube electrodes. <i>Electrochimica Acta</i> , 2013, 89, 206-211.	5.2	15

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145	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
146	The Influence of Secondary Structure on Electron Transfer in Peptides. <i>Australian Journal of Chemistry</i> , 2013, 66, 848.	0.9	16
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