

Assoc Prof David Barker

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4035867/assoc-prof-david-barker-publications-by-citations.pdf>
Version: 2024-04-10

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.

155 papers	1,806 citations	23 h-index	32 g-index
192 ext. papers	2,153 ext. citations	4.3 avg, IF	5.19 L-index

#	Paper	IF	Citations
155	Conjugated polymers and composites for stretchable organic electronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5534-5552	7.1	81
154	Chemistry of DNA minor groove binding agents. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 115, 105-18	6.7	77
153	Methyllycaconitine analogues have mixed antagonist effects at nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 4565-75	3.4	54
152	Asymmetric synthesis of (+)-galbelgin, (-)-kadangustin J, (-)-cyclogalgravin and (-)-pycnanthulignenes A and B, three structurally distinct lignan classes, using a common chiral precursor. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6636-48	4.2	52
151	Synthesis and cytotoxicity of thieno[2,3-b]pyridine and furo[2,3-b]pyridine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2014 , 86, 420-37	6.8	48
150	Ethyl propiolate derivatisation for the analysis of varietal thiols in wine. <i>Journal of Chromatography A</i> , 2013 , 1312, 104-10	4.5	41
149	A divergent approach to 3-piperidinols: a concise syntheses of (+)-swainsonine and access to the 1-substituted quinolizidine skeleton. <i>Journal of Organic Chemistry</i> , 2012 , 77, 7968-80	4.2	41
148	Molecular Approach to Conjugated Polymers with Biomimetic Properties. <i>Accounts of Chemical Research</i> , 2018 , 51, 1581-1589	24.3	39
147	Anti-inflammatory and antimalarial meroterpenoids from the New Zealand ascidian Aplidium scabellum. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9151-6	4.2	39
146	Molecularly Engineered Intrinsically Healable and Stretchable Conducting Polymers. <i>Chemistry of Materials</i> , 2017 , 29, 8850-8858	9.6	38
145	Asymmetric synthesis and CD investigation of the 1,4-benzodioxane lignans eusiderins A, B, C, G, L, and M. <i>Journal of Organic Chemistry</i> , 2012 , 77, 8156-66	4.2	35
144	A synthesis, in silico, in vitro and in vivo study of thieno[2,3-b]pyridine anticancer analogues. <i>MedChemComm</i> , 2015 , 6, 1987-1997	5	33
143	Use of (S)-5-(2-Methylpyrrolidin-2-yl)-1H-tetrazole as a Novel and Enantioselective Organocatalyst for the Aldol Reaction. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 164-170	3.2	33
142	Electrospun Polythiophene Phenylenes for Tissue Engineering. <i>Biomacromolecules</i> , 2018 , 19, 1456-1468	6.9	31
141	Synthesis and biology of 1,4-benzodioxane lignan natural products. <i>Natural Product Reports</i> , 2015 , 32, 1369-88	15.1	29
140	The effect of a thieno[2,3-b]pyridine PLC- η inhibitor on the proliferation, morphology, migration and cell cycle of breast cancer cells. <i>MedChemComm</i> , 2014 , 5, 99-106	5	29
139	Conducting electrospun fibres with polyanionic grafts as highly selective, label-free, electrochemical biosensor with a low detection limit for non-Hodgkin lymphoma gene. <i>Biosensors and Bioelectronics</i> , 2018 , 100, 549-555	11.8	28

- 138 A concise synthesis of (⊕) and a total synthesis of (+)-epiquinamide. *Tetrahedron Letters*, **2006**, 47, 5017-5020 27
- 137 Synthesis of tricyclic analogues of methyllycaconitine using ring closing metathesis to append a B ring to an AE azabicyclic fragment. *Organic and Biomolecular Chemistry*, **2004**, 2, 1659-69 3.9 27
- 136 Highly functionalisable polythiophene phenylenes. *Polymer Chemistry*, **2015**, 6, 7618-7629 4.9 25
- 135 Addition of silyloxydienes to 2,6-dibromo-1,4-benzoquinone: an approach to highly oxygenated bromonaphthoquinones for the synthesis of thysanone. *Tetrahedron*, **2003**, 59, 2441-2449 2.4 25
- 134 Bioinspired Syntheses of the Pyridoacridine Marine Alkaloids Demethyldeoxyamphimedine, Deoxyamphimedine, and Amphimedine. *Journal of Organic Chemistry*, **2016**, 81, 282-9 4.2 24
- 133 Synthesis and biological activity of pyrrole analogues of combretastatin A-4. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 3001-3005 2.9 24
- 132 Thermoresponsive laterally-branched polythiophene phenylene derivative as water-soluble temperature sensor. *Polymer Chemistry*, **2017**, 8, 4352-4358 4.9 23
- 131 Switch on or switch off: an optical DNA sensor based on poly(p-phenylenevinylene) grafted magnetic beads. *Biosensors and Bioelectronics*, **2012**, 35, 498-502 11.8 22
- 130 Synthesis of various lignans via the rearrangements of 1,4-diarylbutane-1,4-diols. *Tetrahedron Letters*, **2015**, 56, 4549-4553 2 21
- 129 The enantioselective synthesis of tetracyclic methyllycaconitine analogues. *Tetrahedron*, **2011**, 67, 7989-7999 21
- 128 Water-soluble anionic poly(p-phenylene vinylenes) with high luminescence. *Polymer Chemistry*, **2013**, 4, 2506 4.9 20
- 127 New immobilisation method for oligonucleotides on electrodes enables highly-sensitive, electrochemical label-free gene sensing. *Biosensors and Bioelectronics*, **2017**, 97, 128-135 11.8 19
- 126 The development of thieno[2,3-b]pyridine analogues as anticancer agents applying in silico methods. *MedChemComm*, **2014**, 5, 186 5 19
- 125 Synthesis of simple analogues of methyllycaconitine—An efficient method for the preparation of the N-substituted anthranilate pharmacophore. *Tetrahedron*, **2004**, 60, 5953-5963 2.4 19
- 124 A high yielding synthesis of anthranilate esters from sterically hindered alcohols. *Tetrahedron Letters*, **2001**, 42, 1785-1788 2 18
- 123 Thieno[2,3-b]pyridine derivatives are potent anti-platelet drugs, inhibiting platelet activation, aggregation and showing synergy with aspirin. *European Journal of Medicinal Chemistry*, **2018**, 143, 1997-2004 6.8 18
- 122 Evidence that phospholipase C is involved in the antitumour action of NSC768313, a new thieno[2,3-b]pyridine derivative. *Cancer Cell International*, **2016**, 16, 18 6.4 17
- 121 An Acyl-Claisen Approach to Tetrasubstituted Tetrahydrofuran Lignans: Synthesis of Fragransin A2, Talaumidin, and Lignan Analogues. *Synlett*, **2009**, 2009, 3315-3319 2.2 17

120	Synthesis of ABE tricyclic analogues of methyllycaconitine using a Wacker oxidation/aldol strategy to append the B ring to the AE fragment. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002 , 924-931		17
119	An efficient synthesis of 3-alkyl-1,5,3-dioxazepanes and their use as electrophiles in double-Mannich reactions. <i>Tetrahedron</i> , 2012 , 68, 1017-1028	2.4	16
118	Biomimetic synthesis of thiaplidiaquinones A and B. <i>Journal of Natural Products</i> , 2012 , 75, 2256-60	4.9	16
117	A tandem Diels-Alder/Mannich approach to the synthesis of AE and ABE ring analogues of Delphinium alkaloids. <i>Tetrahedron</i> , 2012 , 68, 5759-5778	2.4	15
116	Synthesis of AE and BE Ring Analogues of the Alkaloid Methyllycaconitine. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1944-1960	3.2	15
115	Optimization of Ecofriendly Extraction of Bioactive Monomeric Phenolics and Useful Flavor Precursors from Grape Waste. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 5060-5067	8.3	14
114	Total Synthesis of (–)-Isoamericanin A and (+)-Isoamericanol A. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 1037-1046	3.2	14
113	Enantioselective synthesis, stereochemical correction, and biological investigation of the rogersinine family of 1,4-benzodioxane neolignans. <i>Organic Letters</i> , 2015 , 17, 1046-9	6.2	14
112	Application of olefin metathesis to the synthesis of ABE ring analogues of methyllycaconitine. <i>Tetrahedron Letters</i> , 2002 , 43, 6019-6022	2	14
111	Synthesis and cytotoxicity of thieno[2,3-b]quinoline-2-carboxamide and cycloalkyl[b]thieno[3,2-e]pyridine-2-carboxamide derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 1142-54	3.4	13
110	Rapid synthesis of indole cis-enamides via hydroamidation of indolic alkynes. <i>Tetrahedron Letters</i> , 2013 , 54, 5239-5242	2	13
109	Asymmetric synthesis and anti-protozoal activity of the 8,4'-oxyneolignans virolin, surinamensin and analogues. <i>European Journal of Medicinal Chemistry</i> , 2013 , 60, 240-8	6.8	13
108	Influence of β -methyl substitution of proline-based organocatalysts on the asymmetric β -oxidation of aldehydes. <i>Tetrahedron</i> , 2009 , 65, 4801-4807	2.4	13
107	Total Synthesis of Ovafolinins A and B: Unique Polycyclic Benzoxepin Lignans through a Cascade Cyclization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9483-9486	16.4	12
106	Synthesis of alkyl sulfonic acid aldehydes and alcohols, putative precursors to important wine aroma thiols. <i>Tetrahedron Letters</i> , 2015 , 56, 1728-1731	2	12
105	Synthesis of 2,3-syn-diarylpen-4-enamides via acyl-Claisen rearrangements of substituted cinnamyl morpholines: application to the synthesis of magnosalicin. <i>Tetrahedron Letters</i> , 2012 , 53, 4464-4468	2	12
104	Highly processable, rubbery poly(n-butyl acrylate) grafted poly(phenylene vinylene)s. <i>European Polymer Journal</i> , 2016 , 84, 355-365	5.2	12
103	An acyl-Claisen/Paal-Knorr approach to fully substituted pyrroles. <i>Tetrahedron</i> , 2016 , 72, 4676-4689	2.4	11

102	Investigation into Improving the Aqueous Solubility of the Thieno[2,3-b]pyridine Anti-Proliferative Agents. <i>Molecules</i> , 2018 , 23,	4.8	11
101	An acyl-Claisen approach to the synthesis of lignans and substituted pyrroles. <i>Pure and Applied Chemistry</i> , 2012 , 84, 1557-1565	2.1	11
100	Self-healing polythiophene phenylenes for stretchable electronics. <i>European Polymer Journal</i> , 2018 , 105, 331-338	5.2	10
99	Structure-Activity Relationships of the Bioactive Thiazinoquinone Marine Natural Products Thiaplidiaquinones A and B. <i>Marine Drugs</i> , 2015 , 13, 5102-10	6	10
98	A double Mannich approach to the synthesis of substituted piperidones—Application to the synthesis of substituted E-ring analogues of methyllycaconitine. <i>Tetrahedron</i> , 2010 , 66, 7179-7191	2.4	10
97	Synthesis and antiproliferative activity of 2-chlorophenyl carboxamide thienopyridines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 135-138	2.9	9
96	Synthesis of aza-derivatives of tetrahydrofuran lignan natural products. <i>Tetrahedron</i> , 2015 , 71, 9439-9456	4.4	9
95	Facile gas chromatography-tandem mass spectrometry stable isotope dilution method for the quantification of sesquiterpenes in grape. <i>Journal of Chromatography A</i> , 2018 , 1537, 91-98	4.5	9
94	Synthesis of N-(3-Phenylpropyl)-Substituted Tricyclic ABE Ring Analogues of the Alkaloid Methyllycaconitine. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 3205-3215	3.2	9
93	1,4-Benzodioxane Lignans: An Efficient, Asymmetric Synthesis of Flavonolignans and Study of Neolignan Cytotoxicity and Antiviral Profiles. <i>Journal of Natural Products</i> , 2018 , 81, 2630-2637	4.9	9
92	Synthesis of grafted poly(p-phenyleneethynylene) via ARGET ATRP: Towards nonaggregating and photoluminescence materials. <i>European Polymer Journal</i> , 2017 , 89, 263-271	5.2	8
91	The cytotoxic potential of cationic triangulenes against tumour cells. <i>MedChemComm</i> , 2019 , 10, 1881-1891	5.1	8
90	Bio-inspired dimerisation of prenylated quinones directed towards the synthesis of the meroterpenoid natural products, the scabellones. <i>Tetrahedron Letters</i> , 2015 , 56, 1486-1488	2	8
89	Glycophenotype of breast and prostate cancer stem cells treated with thieno[2,3-b]pyridine anticancer compound. <i>Drug Design, Development and Therapy</i> , 2017 , 11, 759-769	4.4	8
88	GPCR Modulation of Thieno[2,3-b]pyridine Anti-Proliferative Agents. <i>Molecules</i> , 2017 , 22,	4.8	8
87	Enantioselective Synthesis of 2,3-Disubstituted Benzomorpholines: Analogues of Lignan Natural Products. <i>Journal of Organic Chemistry</i> , 2016 , 81, 12012-12022	4.2	8
86	Discovery and preliminary structure-activity relationship studies on tecomaquinone I and tectol as novel farnesyltransferase and plasmodial inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 3102-3114	3.4	8
85	¹ H and ¹³ C NMR data for C-6 substituted 3-azabicyclo[3.3.1]nonane-1-carboxylates. <i>Magnetic Resonance in Chemistry</i> , 2006 , 44, 980-3	2.1	8

84	Novel Electrochemically Switchable, Flexible, Microporous Cloth that Selectively Captures, Releases, and Concentrates Intact Extracellular Vesicles. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39005-39013	9.5	8
83	A new analytical method to measure S-methyl-L-methionine in grape juice reveals the influence of yeast on dimethyl sulfide production during fermentation. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 6944-6953	4.3	7
82	Total Synthesis of ent-Hyperione A and ent-Hyperione B. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 491-493	3	7
81	Unexpected O-alkylation and ester migration in phenolic 2,3-diaryl-2,3-dihydrobenzo[b]furans. <i>Tetrahedron Letters</i> , 2013 , 54, 2093-2096	2	7
80	Synthesis of 3-Methylobovatol. <i>Synlett</i> , 2015 , 26, 2425-2428	2.2	7
79	Synthesis of non-symmetrical 3,5-diamidobenzyl amines, ethers and sulfides. <i>Tetrahedron Letters</i> , 2008 , 49, 1660-1664	2	7
78	Polymer electronic composites that heal by solvent vapour. <i>RSC Advances</i> , 2016 , 6, 98466-98474	3.7	7
77	Synthesis of N-benzyl-des-D-ring lamellarin K via an acyl-Claisen/Paal-Knorr approach. <i>Tetrahedron</i> , 2017 , 73, 1881-1894	2.4	6
76	Iterative synthetic strategies and gene deletion experiments enable the first identification of polysulfides in <i>Saccharomyces cerevisiae</i> . <i>Chemical Communications</i> , 2019 , 55, 8868-8871	5.8	6
75	Identification of Floral Volatiles and Pollinator Responses in Kiwifruit Cultivars, <i>Actinidia chinensis</i> var. <i>chinensis</i> . <i>Journal of Chemical Ecology</i> , 2018 , 44, 406-415	2.7	6
74	Poly(para-phenylene ethynylene) (PPE)- and poly(para-phenylene vinylene) (PPV)-poly[(2-(methacryloyloxy)ethyl) trimethylammonium chloride] (PMETAC) graft copolymers exhibit selective antimicrobial activity. <i>European Polymer Journal</i> , 2018 , 98, 368-374	5.2	6
73	Synthesis of benzoic acids and polybenzamide containing tertiary alkylamino functionality. <i>Tetrahedron</i> , 2012 , 68, 1790-1801	2.4	6
72	Total Synthesis of (-)-Bicubebin A, B, (+)-Bicubebin C and Structural Reassignment of (-)-cis-Cubebin. <i>Organic Letters</i> , 2017 , 19, 5368-5371	6.2	6
71	Synthesis of the furo[2,3-b]chromene ring system of hyperaspindols A and B. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 265-70	2.5	6
70	Studies towards development of asymmetric double-Mannich reactions of chiral 2-oxocyclohexanecarboxylate derivatives with bis(aminol)ethers. <i>Tetrahedron</i> , 2015 , 71, 2210-2221	2.4	6
69	A Review of Advances in the Synthesis of Analogues of the Delphinium Alkaloid Methyllycaconitine. <i>Synlett</i> , 2005 , 2005, 1809-1827	2.2	6
68	Multiresponsive Behavior of Functional Poly(p-phenylene vinylene)s in Water. <i>Polymers</i> , 2016 , 8,	4.5	6
67	Synthesis of 3-Amino-2-carboxamide Tetrahydropyrrolo[2,3-b]quinolines. <i>Synlett</i> , 2016 , 27, 2811-2814	2.2	6

66	Efficient Total Synthesis of (H)-Isoguaiacin and (H)-Isogalbulin. <i>Synlett</i> , 2017 , 28, 1449-1452	2.2	5
65	Structure-activity relationship studies on thiaplidiquinones A and B as novel inhibitors of Plasmodium falciparum and farnesyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 4433-4443	3.4	5
64	Identification of in situ flower volatiles from kiwifruit (Actinidia chinensis var. deliciosa) cultivars and their male pollenisers in a New Zealand orchard. <i>Phytochemistry</i> , 2017 , 141, 61-69	4	5
63	Enantioselective synthesis of BE ring analogues of methyllycaconitine. <i>Tetrahedron</i> , 2016 , 72, 400-414	2.4	5
62	Synthesis and biological evaluation of the ascidian blood-pigment halocytamine A. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6194-6204	3.9	5
61	A novel LC-HRMS method reveals cysteinyl and glutathionyl polysulfides in wine. <i>Talanta</i> , 2020 , 218, 121105	6.2	5
60	Electroactive Metal Complexes Covalently Attached to Conductive PEDOT Films: A Spectroelectrochemical Study. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1301-1313	9.5	5
59	Novel Cell-Penetrating Peptide Conjugated Proteasome Inhibitors: Anticancer and Antifungal Investigations. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 334-348	8.3	5
58	Molecular "Building Block" and "Side Chain Engineering": Approach to Synthesis of Multifunctional and Soluble Poly(pyrrole phenylene)s. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800749	4.8	5
57	Polymer Brush Functionalization of Polyurethane Tunable Nanopores for Resistive Pulse Sensing. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 279-289	4.3	5
56	Long side-chain grafting imparts intrinsic adhesiveness to poly(thiophene phenylene) conjugated polymer. <i>European Polymer Journal</i> , 2018 , 109, 237-247	5.2	5
55	Poly-p-phenylenevinylene-g-poly(2-(methacryloyloxy)Ethyl)trimethylammonium chloride (PPV-g-PMETAC): A fluorescent, water-soluble, selective anion sensor. <i>Journal of Polymer Science Part A</i> , 2018 , 56, 1997-2003	2.5	5
54	Using NMR to determine the relative stereochemistry of 7,7-diaryl-8,8?-dimethylbutan-1-ol lignans. <i>Phytochemistry Letters</i> , 2015 , 14, 138-142	1.9	4
53	Highly stretchable, solution-processable, and crosslinkable poly(3,4-ethylenedioxithiophene)-based conjugated polymers. <i>European Polymer Journal</i> , 2020 , 125, 109508	5.2	4
52	Synthesis of Hemitectol, Tectol, and Tecomaquinone I. <i>Synlett</i> , 2012 , 23, 2939-2942	2.2	4
51	Discovery of novel phosphatidylcholine-specific phospholipase C drug-like inhibitors as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2020 , 187, 111919	6.8	4
50	Synthesis and Biological Testing of Ester Pheromone Analogues for Two Fruitworm Moths (Carposinidae). <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 9557-9567	5.7	4
49	Convenient synthesis of deuterium labelled sesquiterpenes. <i>Tetrahedron Letters</i> , 2016 , 57, 4496-4499	2	4

48	Photo-patternable, stretchable and electrically conductive graft copolymers of poly(3-hexylthiophene). <i>Polymer Chemistry</i> , 2019 , 10, 6278-6289	4.9	4
47	Modular Synthesis and Biological Investigation of 5-Hydroxymethyl Dibenzyl Butyrolactones and Related Lignans. <i>Molecules</i> , 2018 , 23,	4.8	4
46	Stereoselective Total Synthesis of (+)-Aristolactam Gl. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5747-5756	4.2	3
45	Development, synthesis and biological investigation of a novel class of potent PC-PLC inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020 , 191, 112162	6.8	3
44	Synthesis and Absolute Stereochemical Reassignment of Mukanadin F: A Study of Isomerization of Bromopyrrole Alkaloids with Implications on Marine Natural Product Isolation. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 3065-3074	3.2	3
43	Synthesis and biological activity of benzamide DNA minor groove binders. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 804-808	2.9	3
42	Chain shape and thin film behaviour of poly(thiophene)-graft-poly(acrylate urethane). <i>Soft Matter</i> , 2018 , 14, 6875-6882	3.6	3
41	¹ H and ¹³ C NMR spectra of methylmaleimido- and methylsuccinimidoanthranilate esters of 1-hydroxymethyl-6-methoxy-3-azabicyclo[3.3.1]nonanes. <i>Magnetic Resonance in Chemistry</i> , 2007 , 45, 695-9	2.1	3
40	Validating TDP1 as an Inhibition Target for the Development of Chemosensitizers for Camptothecin-Based Chemotherapy Drugs. <i>Oncology and Therapy</i> , 2021 , 9, 541-556	2.7	3
39	Syntheses of mono-acylated luteolin derivatives, evaluation of their antiproliferative and radical scavenging activities and implications on their oral bioavailability. <i>Scientific Reports</i> , 2021 , 11, 12595	4.9	3
38	Synthesis of Benzodioxane and Benzofuran Scaffolds Found in Neolignans via TMS Triflate Mediated Addition to 1,4-Benzo[dioxane Hemiacetals. <i>Synthesis</i> , 2017 , 49, 1190-1205	2.9	2
37	Synthesis of tunichrome Sp-1. <i>Tetrahedron Letters</i> , 2015 , 56, 5604-5606	2	2
36	Fermentation of Sauvignon blanc grape marc extract yields important wine aroma 3-sulfanylhexasan-1-ol (3SH). <i>LWT - Food Science and Technology</i> , 2020 , 131, 109653	5.4	2
35	A convenient synthesis of amino acid-derived precursors to the important wine aroma 3-sulfanylhexasan-1-ol (3SH). <i>Tetrahedron Letters</i> , 2020 , 61, 151663	2	2
34	Total synthesis of panicein A2. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1991-6	2.5	2
33	Stereoselective Synthesis of 4-Substituted 4-Hydroxypiperidines via Epoxidation-Ring Opening of 4-Methylenepiperidines. <i>Synlett</i> , 2010 , 2010, 2631-2635	2.2	2
32	¹ H and ¹³ C NMR spectra of C-6 and C-9 substituted 3-azabicyclo[3.3.1]nonanes. <i>Magnetic Resonance in Chemistry</i> , 2008 , 46, 75-9	2.1	2
31	2,2'-(3,5-Dinitro-benzyl-imino)diethanol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1253		2

30	Scalable synthesis of the aroma compounds d6-limonene and d6-linalyl acetate for use as internal standards in stable isotope dilution assays. <i>Tetrahedron Letters</i> , 2020 , 61, 152642	2	2
29	Synthesis, Antiproliferative Activity and Radical Scavenging Ability of 5-Acyl Derivatives of Quercetin. <i>Molecules</i> , 2021 , 26,	4.8	2
28	Stereoselective Synthesis of the Spirocyclic Ring System of the Sesquiterpene Spirolepechinene. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 462-465	3	1
27	Synthesis and Antibacterial Analysis of Analogues of the Marine Alkaloid Pseudoceratidine. <i>Molecules</i> , 2020 , 25,	4.8	1
26	Antimicrobial synergy of cationic grafted poly(-phenylene ethynylene) and poly(-phenylene vinylene) compounds with UV or metal ions against .. <i>RSC Advances</i> , 2018 , 8, 23433-23441	3.7	1
25	Switch-on DNA sensor based on poly (p-phenylene vinylenes) bound tentacle probes. <i>Pure and Applied Chemistry</i> , 2015 , 87, 707-715	2.1	1
24	3,5-Dinitro-benzyl methane-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1470		1
23	N-(3-Hydroxymethyl-5-nitrophenyl)acetamide dimethyl sulfoxide solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3983-o3983		1
22	3-Acetamido-5-nitrobenzyl acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3984-o3984		1
21	Tethered Aryl Groups Increase the Activity of Anti-Proliferative Thieno[2,3-b]Pyridines by Targeting a Lipophilic Region in the Active Site of PI-PLC.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
20	(7Z)-Tricosene Improves Pheromone Trap Catch of Raspberry Bud Moth, <i>Heterocrossa rubophaga</i> . <i>Journal of Chemical Ecology</i> , 2020 , 46, 830-834	2.7	1
19	Synthesis and Use of Ethyl 6-Acetyloxyhexanoate as an Internal Standard: An Interdisciplinary Experiment for an Undergraduate Chemistry Laboratory. <i>Journal of Chemical Education</i> , 2020 , 97, 3847-3851	3.4	1
18	Improving the solubility of anti-proliferative thieno[2,3-b]quinoline-2-carboxamides. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 37, 116092	3.4	1
17	Fluorinated O-phenylserine residues enhance the broad-spectrum antimicrobial activity of ultrashort cationic lipopeptides. <i>Journal of Fluorine Chemistry</i> , 2021 , 241, 109685	2.1	1
16	An optimised MALDI-TOF assay for phosphatidylcholine-specific phospholipase C. <i>Analytical Methods</i> , 2021 , 13, 491-496	3.2	1
15	Alaninyl variants of the marine natural product halocytamine A and their antibacterial properties. <i>Tetrahedron</i> , 2018 , 74, 6929-6938	2.4	1
14	Development of 2-Morpholino-N-hydroxybenzamides as anti-proliferative PC-PLC inhibitors. <i>Bioorganic Chemistry</i> , 2021 , 114, 105152	5.1	1
13	A Novel Electrochemically Switchable Conductive Polymer Interface for Controlled Capture and Release of Chemical and Biological Entities. <i>Advanced Materials Interfaces</i> , 2021 , 2102475	4.6	1

12	First use of grape waste-derived building blocks to yield antimicrobial materials. <i>Food Chemistry</i> , 2022 , 370, 131025	8.5	0
11	Total Synthesis of Ovafolinins A and B: Unique Polycyclic Benzoxepin Lignans through a Cascade Cyclization. <i>Angewandte Chemie</i> , 2017 , 129, 9611-9614	3.6	
10	Development of Thienopyridines as Potent Antiproliferative Agents. <i>Proceedings (mdpi)</i> , 2019 , 22, 2	0.3	
9	Studies towards a switch-off optical DNA sensor based on poly(p-phenylenevinylene) grafted magnetic beads. <i>International Journal of Nanotechnology</i> , 2014 , 11, 645	1.5	
8	N-[3-(tert-Butyl-dimethyl-siloxymeth-yl)-5-nitro-phen-yl]acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2031		
7	(\oplus)-Cyclo-hexane-1,2-diyl bis-(4-nitro-benzoate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2174		
6	Synthesis of d6-deuterated analogues of aroma molecules- δ -damascenone, δ -damascone and safranal. <i>Results in Chemistry</i> , 2022 , 4, 100264	2.1	
5	Bicyclic 5-6 Systems: Five Heteroatoms 2:3 or 3:2 2020 , 565-565		
4	N-{3-[Bis(2-hydroxy-ethyl)amino-meth-yl]-5-nitro-phen-yl}benzamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o978-9		
3	(\oplus)-N-(3-Hydr-oxy-1,2-diphenyl-prop-yl)-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1990		
2	Synthesis and Electrophysiological Testing of Carbonyl Pheromone Analogues for Carposinid Moths. <i>ACS Omega</i> , 2021 , 6, 21016-21023	3.9	
1	Ultra-Highly Sensitive DNA Detection with Conducting Polymer-Modified Electrodes: Mechanism, Manufacture and Prospects for Rapid e-PCR. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 037521	3.9	