

Assoc Prof David Barker

List of Publications by Year in Descending Order

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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	Synthesis of d6-deuterated analogues of aroma molecules- Ed amascenone, Ed amascone and safranal. <i>Results in Chemistry</i> , 2022 , 4, 100264	2.1	0
154	First use of grape waste-derived building blocks to yield antimicrobial materials. <i>Food Chemistry</i> , 2022 , 370, 131025	8.5	0
153	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	0
152	Tethered Aryl Groups Increase the Activity of Anti-Proliferative Thieno[2,3-]Pyridines by Targeting a Lipophilic Region in the Active Site of PI-PLC.. <i>Pharmaceutics</i> , 2021 , 13,	6.4	1
151	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
150	Synthesis, Antiproliferative Activity and Radical Scavenging Ability of 5--Acyl Derivatives of Quercetin. <i>Molecules</i> , 2021 , 26,	4.8	2
149	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
148	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
147	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
146	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
145	Polymer Brush Functionalization of Polyurethane Tunable Nanopores for Resistive Pulse Sensing. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 279-289	4.3	5
144	An optimised MALDI-TOF assay for phosphatidylcholine-specific phospholipase C. <i>Analytical Methods</i> , 2021 , 13, 491-496	3.2	1
143	Synthesis and Electrophysiological Testing of Carbonyl Pheromone Analogues for Carposinid Moths. <i>ACS Omega</i> , 2021 , 6, 21016-21023	3.9	0
142	Development of 2-Morpholino-N-hydroxybenzamides as anti-proliferative PC-PLC inhibitors. <i>Bioorganic Chemistry</i> , 2021 , 114, 105152	5.1	1
141	Synthesis and Antibacterial Analysis of Analogues of the Marine Alkaloid Pseudoceratidine. <i>Molecules</i> , 2020 , 25,	4.8	1
140	Fermentation of Sauvignon blanc grape marc extract yields important wine aroma 3-sulfanylhexas-1-ol (3SH). <i>LWT - Food Science and Technology</i> , 2020 , 131, 109653	5.4	2
139	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

138	Highly stretchable, solution-processable, and crosslinkable poly(3,4-ethylenedioxithiophene)-based conjugated polymers. <i>European Polymer Journal</i> , 2020 , 125, 109508	5.2	4
137	A convenient synthesis of amino acid-derived precursors to the important wine aroma 3-sulfanylhexas-1-ol (3SH). <i>Tetrahedron Letters</i> , 2020 , 61, 151663	2	2
136	Bicyclic 5-6 Systems: Five Heteroatoms 2:3 or 3:2 2020 , 565-565		
135	A novel LC-HRMS method reveals cysteinyl and glutathionyl polysulfides in wine. <i>Talanta</i> , 2020 , 218, 121105	6.2	5
134	Novel Cell-Penetrating Peptide Conjugated Proteasome Inhibitors: Anticancer and Antifungal Investigations. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 334-348	8.3	5
133	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
132	Scalable synthesis of the aroma compounds d6-Nonone and d6- ϵ -cyclocitral for use as internal standards in stable isotope dilution assays. <i>Tetrahedron Letters</i> , 2020 , 61, 152642	2	2
131	(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
130	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
129	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
128	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
127	The cytotoxic potential of cationic triangulenes against tumour cells. <i>MedChemComm</i> , 2019 , 10, 1881-1891	5.1	8
126	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
125	Stereoselective Synthesis of the Spirocyclic Ring System of the Sesquiterpene Spirolepechinene. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 462-465	3	1
124	Conjugated polymers and composites for stretchable organic electronics. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 5534-5552	7.1	81
123	Stereoselective Total Synthesis of (+)-Aristolactam Gl. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5747-5756	4.2	3
122	Development of Thienopyridines as Potent Antiproliferative Agents. <i>Proceedings (mdpi)</i> , 2019 , 22, 2	0.3	
121	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

120	Photo-patternable, stretchable and electrically conductive graft copolymers of poly(3-hexylthiophene). <i>Polymer Chemistry</i> , 2019 , 10, 6278-6289	4.9	4
119	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
118	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
117	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
116	Electrospun Polythiophene Phenylenes for Tissue Engineering. <i>Biomacromolecules</i> , 2018 , 19, 1456-1468	6.9	31
115	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
114	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
113	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
112	Chain shape and thin film behaviour of poly(thiophene)-graft-poly(acrylate urethane). <i>Soft Matter</i> , 2018 , 14, 6875-6882	3.6	3
111	Investigation into Improving the Aqueous Solubility of the Thieno[2,3-b]pyridine Anti-Proliferative Agents. <i>Molecules</i> , 2018 , 23,	4.8	11
110	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
109	Molecular Approach to Conjugated Polymers with Biomimetic Properties. <i>Accounts of Chemical Research</i> , 2018 , 51, 1581-1589	24.3	39
108	Self-healing polythiophene phenylenes for stretchable electronics. <i>European Polymer Journal</i> , 2018 , 105, 331-338	5.2	10
107	Thieno[2,3-b]pyridine derivatives are potent anti-platelet drugs, inhibiting platelet activation, aggregation and showing synergy with aspirin. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 1997-2004	6.8	18
106	Modular Synthesis and Biological Investigation of 5-Hydroxymethyl Dibenzyl Butyrolactones and Related Lignans. <i>Molecules</i> , 2018 , 23,	4.8	4
105	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
104	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
103	Alaninyl variants of the marine natural product halocytamine A and their antibacterial properties. <i>Tetrahedron</i> , 2018 , 74, 6929-6938	2.4	1

102	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
101	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
100	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
99	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
98	Efficient Total Synthesis of (±)-Isoguaiacin and (±)-Isogalbulin. <i>Synlett</i> , 2017 , 28, 1449-1452	2.2	5
97	Total Synthesis of Ovafofinins A and B: Unique Polycyclic Benzoxepin Lignans through a Cascade Cyclization. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9483-9486	16.4	12
96	Structure-activity relationship studies on thiaplidiaquinones A and B as novel inhibitors of Plasmodium falciparum and farnesyltransferase. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 4433-4443	3.4	5
95	Thermoresponsive laterally-branched polythiophene phenylene derivative as water-soluble temperature sensor. <i>Polymer Chemistry</i> , 2017 , 8, 4352-4358	4.9	23
94	Total Synthesis of Ovafofinins A and B: Unique Polycyclic Benzoxepin Lignans through a Cascade Cyclization. <i>Angewandte Chemie</i> , 2017 , 129, 9611-9614	3.6	
93	New immobilisation method for oligonucleotides on electrodes enables highly-sensitive, electrochemical label-free gene sensing. <i>Biosensors and Bioelectronics</i> , 2017 , 97, 128-135	11.8	19
92	Identification of in situ flower volatiles from kiwifruit (<i>Actinidia chinensis</i> var. <i>deliciosa</i>) cultivars and their male pollenisers in a New Zealand orchard. <i>Phytochemistry</i> , 2017 , 141, 61-69	4	5
91	Synthesis and antiproliferative activity of 2-chlorophenyl carboxamide thienopyridines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017 , 27, 135-138	2.9	9
90	Molecularly Engineered Intrinsically Healable and Stretchable Conducting Polymers. <i>Chemistry of Materials</i> , 2017 , 29, 8850-8858	9.6	38
89	Glycophenotype of breast and prostate cancer stem cells treated with thieno[2,3-]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	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
86	Synthesis and biological evaluation of the ascidian blood-pigment halocyanine A. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6194-6204	3.9	5
85	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

84	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
83	An acyl-Claisen/Paal-Knorr approach to fully substituted pyrroles. <i>Tetrahedron</i> , 2016 , 72, 4676-4689	2.4	11
82	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	2.4	8
81	Evidence that phospholipase C is involved in the antitumour action of NSC768313, a new thieno[2,3-b]pyridine derivative. <i>Cancer Cell International</i> , 2016 , 16, 18	6.4	17
80	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
79	Bioinspired Syntheses of the Pyridoacridine Marine Alkaloids Demethyldeoxyamphimedine, Deoxyamphimedine, and Amphimedine. <i>Journal of Organic Chemistry</i> , 2016 , 81, 282-9	4.2	24
78	Enantioselective synthesis of BE ring analogues of methyllycaconitine. <i>Tetrahedron</i> , 2016 , 72, 400-414	2.4	5
77	Synthesis and biological activity of benzamide DNA minor groove binders. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 804-808	2.9	3
76	Multiresponsive Behavior of Functional Poly(p-phenylene vinylene)s in Water. <i>Polymers</i> , 2016 , 8,	4.5	6
75	Polymer electronic composites that heal by solvent vapour. <i>RSC Advances</i> , 2016 , 6, 98466-98474	3.7	7
74	Synthesis and biological activity of pyrrole analogues of combretastatin A-4. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 3001-3005	2.9	24
73	Convenient synthesis of deuterium labelled sesquiterpenes. <i>Tetrahedron Letters</i> , 2016 , 57, 4496-4499	2	4
72	Synthesis of 3-Amino-2-carboxamide Tetrahydropyrrolo[2,3-b]quinolines. <i>Synlett</i> , 2016 , 27, 2811-2814	2.2	6
71	Highly processable, rubbery poly(n-butyl acrylate) grafted poly(phenylene vinylene)s. <i>European Polymer Journal</i> , 2016 , 84, 355-365	5.2	12
70	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
69	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
68	Synthesis of various lignans via the rearrangements of 1,4-diarylbutane-1,4-diols. <i>Tetrahedron Letters</i> , 2015 , 56, 4549-4553	2	21
67	Synthesis and biology of 1,4-benzodioxane lignan natural products. <i>Natural Product Reports</i> , 2015 , 32, 1369-88	15.1	29

66	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
65	Synthesis of aza-derivatives of tetrahydrofuran lignan natural products. <i>Tetrahedron</i> , 2015 , 71, 9439-9456	4.4	9
64	Synthesis of tunichrome Sp-1. <i>Tetrahedron Letters</i> , 2015 , 56, 5604-5606	2	2
63	Highly functionalisable polythiophene phenylenes. <i>Polymer Chemistry</i> , 2015 , 6, 7618-7629	4.9	25
62	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
61	Total synthesis of panicein A2. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 1991-6	2.5	2
60	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
59	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
58	Structure-Activity Relationships of the Bioactive Thiazinoquinone Marine Natural Products Thiaplidiaquinones A and B. <i>Marine Drugs</i> , 2015 , 13, 5102-10	6	10
57	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
56	Synthesis of 3-Methylobovatol. <i>Synlett</i> , 2015 , 26, 2425-2428	2.2	7
55	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
54	Total Synthesis of (–)-Isoamericanin A and (+)-Isoamericanol A. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 1037-1046	3.2	14
53	The effect of a thieno[2,3-b]pyridine PLC-?inhibitor on the proliferation, morphology, migration and cell cycle of breast cancer cells. <i>MedChemComm</i> , 2014 , 5, 99-106	5	29
52	The development of thieno[2,3-b]pyridine analogues as anticancer agents applying in silico methods. <i>MedChemComm</i> , 2014 , 5, 186	5	19
51	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
50	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	
49	Rapid synthesis of indole cis-enamides via hydroamidation of indolic alkynes. <i>Tetrahedron Letters</i> , 2013 , 54, 5239-5242	2	13

48	Ethyl propiolate derivatisation for the analysis of varietal thiols in wine. <i>Journal of Chromatography A</i> , 2013 , 1312, 104-10	4.5	41
47	Total Synthesis of ent-Hyperione A and ent-Hyperione B. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 491-493	3	7
46	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
45	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
44	Water-soluble anionic poly(p-phenylene vinylenes) with high luminescence. <i>Polymer Chemistry</i> , 2013 , 4, 2506	4.9	20
43	Switch on or switch off: an optical DNA sensor based on poly(p-phenylenevinylene) grafted magnetic beads. <i>Biosensors and Bioelectronics</i> , 2012 , 35, 498-502	11.8	22
42	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
41	Synthesis of benzoic acids and polybenzamides containing tertiary alkylamino functionality. <i>Tetrahedron</i> , 2012 , 68, 1790-1801	2.4	6
40	Synthesis of 2,3-syn-diarylpent-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
39	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
38	Biomimetic synthesis of thiaplidiolquinones A and B. <i>Journal of Natural Products</i> , 2012 , 75, 2256-60	4.9	16
37	Chemistry of DNA minor groove binding agents. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 115, 105-18	6.7	77
36	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
35	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
34	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
33	Synthesis of Hemitectol, Tectol, and Tecomaquinone I. <i>Synlett</i> , 2012 , 23, 2939-2942	2.2	4
32	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
31	The enantioselective synthesis of tetracyclic methyllycaconitine analogues. <i>Tetrahedron</i> , 2011 , 67, 7989-7999	2.9	21

30	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
29	Stereoselective Synthesis of 4-Substituted 4-Hydroxypiperidines via Epoxidation-Ring Opening of 4-Methylenepiperidines. <i>Synlett</i> , 2010 , 2010, 2631-2635	2.2	2
28	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
27	An Acyl-Claisen Approach to Tetrasubstituted Tetrahydrofuran Lignans: Synthesis of Fragransin A2, Talaumidin, and Lignan Analogues. <i>Synlett</i> , 2009 , 2009, 3315-3319	2.2	17
26	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
25	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
24	N-[3-(tert-Butyl-dimethyl-siloxymeth-yl)-5-nitro-phen-yl]acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2031		
23	3,5-Dinitro-benzyl methane-sulfonate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1470		1
22	(β)-Cyclo-hexane-1,2-diyl bis-(4-nitro-benzoate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o2174		
21	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
20	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
19	Synthesis of non-symmetrical 3,5-diamidobenzyl amines, ethers and sulfides. <i>Tetrahedron Letters</i> , 2008 , 49, 1660-1664	2	7
18	2,2'-(3,5-Dinitro-benzyl-imino)diethanol. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1253		2
17	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		
16	(β)-N-(3-Hydroxy-1,2-diphenyl-prop-yl)-4-methyl-benzene-sulfonamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2008 , 64, o1990		
15	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
14	N-(3-Hydroxymethyl-5-nitrophenyl)acetamide dimethyl sulfoxide solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3983-o3983		1
13	3-Acetamido-5-nitrobenzyl acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, o3984-o3984		1

12	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
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10	A concise synthesis of (⊕) and a total synthesis of (+)-epiquinamide. <i>Tetrahedron Letters</i> , 2006 , 47, 5017-5020	27	
9	Methyllycaconitine analogues have mixed antagonist effects at nicotinic acetylcholine receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 4565-75	3.4	54
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7	Synthesis of simple analogues of methyllycaconitine⌐an efficient method for the preparation of the N-substituted anthranilate pharmacophore. <i>Tetrahedron</i> , 2004 , 60, 5953-5963	2.4	19
6	Synthesis of tricyclic analogues of methyllycaconitine using ring closing metathesis to append a B ring to an AE azabicyclic fragment. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 1659-69	3.9	27
5	Addition of silyloxydienes to 2,6-dibromo-1,4-benzoquinone: an approach to highly oxygenated bromonaphthoquinones for the synthesis of thysanone. <i>Tetrahedron</i> , 2003 , 59, 2441-2449	2.4	25
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2	A high yielding synthesis of anthranilate esters from sterically hindered alcohols. <i>Tetrahedron Letters</i> , 2001 , 42, 1785-1788	2	18
1	A Novel Electrochemically Switchable Conductive Polymer Interface for Controlled Capture and Release of Chemical and Biological Entities. <i>Advanced Materials Interfaces</i> , 2024 , 7, 2102475	4.6	1