

Michael G Hutchings

List of Publications by Year in descending order

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62
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#	ARTICLE	IF	CITATIONS
1	Colour and constitution of conjugate bases of benzodifurantrione, its ring-opened derivatives and benzodifuranone dye analogues. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 2661-2670.	2.8	0
2	Route Design in the 21st Century: The IC <i>></i> SYNTH <i></i> Software Tool as an Idea Generator for Synthesis Prediction. <i>Organic Process Research and Development</i>, 2015, 19, 357-368.</i>	2.7	106
3	Effect of alkali on methylene blue (C.I. Basic Blue 9) and other thiazine dyes. <i>Dyes and Pigments</i> , 2011, 88, 149-155.	3.7	97
4	NMR analysis of Nile Blue (C. I. Basic Blue 12) and Thionine (C. I. 52000) in solution. <i>Dyes and Pigments</i> , 2011, 88, 315-325.	3.7	15
5	Benzodifurantrione: A Stable Phenylgous Enol. <i>Journal of Organic Chemistry</i> , 2010, 75, 690-701.	3.2	13
6	Nickel(II) and Palladium(II) Complexes of Azobenzene-Containing Ligands as Dichroic Dyes. <i>Inorganic Chemistry</i> , 2010, 49, 9136-9150.	4.0	40
7	Application of the BHQ benzannulation reaction to the synthesis of benzo-fused coumarins. <i>Tetrahedron Letters</i> , 2009, 50, 3617-3620.	1.4	7
8	Formation of water-soluble sulfonated azacalix[4]arenes from cyanuric chloride. <i>Tetrahedron Letters</i> , 2009, 50, 3923-3925.	1.4	23
9	Direct synthesis of sulfonated azacalixarenes in water. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4871.	2.8	15
10	Comment on "Solvent Effect on the Electronic Spectra of Azine Dyes under Alkaline Condition". <i>Journal of Physical Chemistry A</i> , 2009, 113, 9575-9576.	2.5	9
11	Reversible cyclisation of a sulfonated arylazo compound containing an o-acetylamino substituent. <i>Tetrahedron Letters</i> , 2008, 49, 1388-1392.	1.4	0
12	New reactivity patterns of copper(I) and other transition metal NHC complexes: application to ATRC and related reactions. <i>Tetrahedron Letters</i> , 2008, 49, 1352-1356.	1.4	45
13	Structural characterisation of the photoisomers of reactive sulfonated azo dyes by NMR spectroscopy and DFT calculations. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1010.	2.9	19
14	A Remarkably Simple and Efficient Benzannulation Reaction. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1869-1872.	13.8	64
15	Highly selective zeolite-catalysed mono-N-alkylation of arylenediamines by dialkyl carbonates. <i>Tetrahedron Letters</i> , 2007, 48, 1641-1643.	1.4	22
16	Enzymatic Synthesis and Photoswitchable Enzymatic Cleavage of a Peptide-Linked Rotaxane. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1596-1599.	13.8	67
17	The effect of preorganisation on the solid state behaviour of simple "aromatic-cored" bis(guanidinium) sulfates Electronic supplementary information (ESI) available: full details of crystallographic data collection for compounds 2·H ₂ SO ₄ and 3·H ₂ SO ₄ ·2H ₂ O. See http://www.rsc.org/suppdata/ce/b2/b207803a/ . <i>CrystEngComm</i> , 2003, 5, 77-81.	2.6	9
18	The Structure of m-Xylylenediguanidinium Sulfate: A Putative Molecular Tweezer Ligand for Anion Chelation. <i>Crystal Growth and Design</i> , 2001, 1, 339-342.	3.0	13

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19	Rotaxane-Encapsulation Enhances the Stability of an Azo Dye, in Solution and when Bonded to Cellulose. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1071-1074.	13.8	130
20	Additivity of substituent effects on the visible absorption spectra of some heteroarylazo compounds: the influence of solvent. <i>Dyes and Pigments</i> , 2000, 47, 23-31.	3.7	8
21	Synthesis of a cyclodextrin azo dye [3]rotaxane as a single isomer. <i>Chemical Communications</i> , 1999, , 1537-1538.	4.1	52
22	Non-linear Optical Properties of Squarate Esters and Amides. <i>Journal of Chemical Research Synopses</i> , 1998, , 244-245.	0.3	7
23	Resonance-Enhanced Optical Nonlinearities in Azothiophenes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 5802-5808.	2.5	15
24	Non-linear optical activity of azo dyes. Conformational effects on the quadratic hyperpolarisability of an azothiophene dye. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 1139-1142.	0.9	27
25	The Comparative Solvatochromism of Arylazo and Heteroarylazo Compounds Based On <i>N,N</i> -Diethyl- <i>m</i> -acetaminoaniline and <i>N,N</i> -Diethyl- <i>m</i> -toluidine. <i>Chemistry - A European Journal</i> , 1997, 3, 1719-1727.	3.3	27
26	Mono- and Bimetallic Bipyridyl Polyene Complexes Containing 17-Electron Molybdenum Mononitrosyl Centers: A Electrochemical, Spectroscopic, and Magnetic Studies. <i>Inorganic Chemistry</i> , 1996, 35, 760-774.	4.0	43
27	Solvatochromism of Mono- and Dimolybdenum Coordination Compounds of Dipirydyloctatetraene and Linear Solvation Energy Relationship Models Based on the Kamlet-Taft and Drago Scales of Solvent Polarity. <i>Inorganic Chemistry</i> , 1996, 35, 289-296.	4.0	18
28	Molecular wires: An electrochemical study of metal-metal interactions through chains of four carbon atoms. <i>Polyhedron</i> , 1996, 15, 1409-1414.	2.2	12
29	The syntheses of some paramagnetic stilbazole complexes and an evaluation of their redox and mesogenic properties. <i>Polyhedron</i> , 1995, 14, 2499-2504.	2.2	6
30	Software review: PISYSTEM for Windows version 3.1. A program for the calculation of excited state properties including colour of π electron-based molecules. <i>Dyes and Pigments</i> , 1995, 29, 95-101.	3.7	10
31	Quantitative structure-sublimation enthalpy relationship studied by neural networks, theoretical crystal packing calculations and multilinear regression analysis. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 2023-2030.	0.9	35
32	Acid enhancement effect in the clean oxidation of toluenes photocatalysed by TiO ₂ . <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1119.	2.0	19
33	Quadratic non-linear optical properties of some donor-acceptor substituted thiophenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1995, , 171-176.	0.9	30
34	The phosphonate ester group in nonlinear optical donor-acceptor benzenes. <i>Tetrahedron Letters</i> , 1994, 35, 9073-9074.	1.4	5
35	An EPR, magnetic and electrochemical study of electron exchange and intermetallic interaction through polyene bridges. <i>Journal of the Chemical Society Chemical Communications</i> , 1992, , 1796.	2.0	14
36	Unexpected bathochromic shifts in the visible absorption spectra of arylazo dyes containing the ortho-N-pyridinium-nitro substituent combination. <i>c. Dyes and Pigments</i> , 1991, 17, 227-240.	3.7	8

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37	Alkoxide-induced ring-opening of methoxymethylidene-substituted homophthalic anhydride part 2 structure and conformational analysis of the dihydroisocoumarin products. <i>Tetrahedron</i> , 1991, 47, 7869-7874.	1.9	7
38	Regiospecific Synthesis of $\hat{1}\pm$ -Alkoxy and $\hat{1}\pm$ -Alkylthio-1-alkyl-1,2,4-triazoles from Aldehydes and Glyoxals. <i>Synlett</i> , 1991, 1991, 485-486.	1.8	5
39	Regiospecific Synthesis of 1-Substituted 1,2,4-Triazoles by Reaction of 1,2,4-Triazole with Aldehydes. <i>Chemistry Letters</i> , 1990, 19, 351-354.	1.3	8
40	Regiospecific Synthesis of 1-Substituted 1,2,4-Triazoles Involving Isomerization of the Corresponding 4-Substituted Compounds. <i>Chemistry Letters</i> , 1990, 19, 347-350.	1.3	19
41	Syntheses of 2-aryl-3-cinnolinones by cyclisation of diarylazo compounds. <i>Tetrahedron Letters</i> , 1989, 30, 3715-3718.	1.4	14
42	The regio- and stereochemistry of the alkoxide-induced ring-opening of methoxymethylidene-substituted homophthalic anhydride. <i>Tetrahedron</i> , 1988, 44, 3727-3734.	1.9	13
43	The effect on the colour of the diarylazo chromogen, and electronic substituent constants, of the N-pyridinium group. <i>Dyes and Pigments</i> , 1988, 9, 385-392.	3.7	5
44	Prediction of Chemical Reactivity and Design of Organic Synthesis. , 1988, , 343-359.		2
45	The influence of chlorine and sulphonate substituents on the visible absorption maxima of some azo dyes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 1107.	0.9	7
46	A quantitative description of fundamental polar reaction types. Proton- and hydride-transfer reactions connecting alcohols and carbonyl compounds in the gas phase. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 447.	0.9	10
47	Expert systems for the analyst—the application of knowledge-based computer systems in the chemical laboratory. <i>Analytical Proceedings</i> , 1986, 23, 298-302.	0.4	0
48	Correlation analyses of the aqueous-phase acidities of alcohols and gem-diols, and of carbonyl hydration equilibria using electronic and structural parameters. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 455.	0.9	19
49	Electrochemical oxidative substitution and dimerisation of 1-aryldiazo-2-naphthols, leading to a new synthesis of some unsymmetrical diarylamines. <i>Tetrahedron Letters</i> , 1986, 27, 5261-5264.	1.4	6
50	Structure-colour relationships of some new -aryldiazo-2-naphthol hemicyanine dyes. <i>Tetrahedron</i> , 1984, 40, 2061-2068.	1.9	8
51	Colour and constitution of azo compounds derived from diaminoazines. <i>Tetrahedron</i> , 1984, 40, 5081-5088.	1.9	5
52	Quantification of effective polarisability. Applications to studies of X-ray photoelectron spectroscopy and alkylamine protonation. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1984, , 559.	0.9	52
53	Quantitative models of gas-phase proton-transfer reactions involving alcohols, ethers, and their thio analogs. Correlation analyses based on residual electronegativity and effective polarizability. <i>Journal of the American Chemical Society</i> , 1984, 106, 6489-6495.	13.7	75
54	New empirical models of substituent polarisability and their application to stabilisation effects in positively charged species. <i>Tetrahedron Letters</i> , 1983, 24, 2537-2540.	1.4	34

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55	Residual electronegativity - an empirical quantification of polar influences and its application to the proton affinity of amines. Tetrahedron Letters, 1983, 24, 2541-2544.	1.4	83
56	The isomerisation of some ortho-substituted nitrobenzenes: a structure correlation analysis. Journal of the Chemical Society Perkin Transactions II, 1982, , 1241.	0.9	4
57	The chemistry of organoborates. Part I. New, high yield ketone syntheses by reaction of trialkylcyanoborates with acylating agents or N-phenylbenzimidoyl chloride. Journal of the Chemical Society Perkin Transactions 1, 1975, , 129.	0.9	62
58	The chemistry of organoborates. Part III. Protonation of trialkylcyanoborates. Journal of the Chemical Society Perkin Transactions 1, 1975, , 142.	0.9	10
59	Chemistry of organoborates. Part IV. Stereochemistry and relative migratory aptitudes of alkyl groups in the cyanoborate process. Journal of the Chemical Society Perkin Transactions 1, 1975, , 145.	0.9	15
60	The chemistry of organoborates. Part II. High yield syntheses of trialkylmethanols by the cyanoborate process. Journal of the Chemical Society Perkin Transactions 1, 1975, , 138.	0.9	37
61	Stereospecific synthesis of allyl amides by the cyanoborate process. Journal of the Chemical Society Chemical Communications, 1974, , 346.	2.0	10
62	Stereochemistry and order of the three alkyl migrations in the cyanoborate process. Journal of the Chemical Society Chemical Communications, 1973, , 186.	2.0	6