

Maxwell J Crossley

List of Publications by Year in descending order

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244
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30047

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253
all docs

253
docs citations

253
times ranked

6919
citing authors

#	ARTICLE	IF	CITATIONS
1	On the efficiency limit of triplet-triplet annihilation for photochemical upconversion. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 66-71.	1.3	342
2	Improving the light-harvesting of amorphous silicon solar cells with photochemical upconversion. <i>Energy and Environmental Science</i> , 2012, 5, 6953.	15.6	339
3	Density Functional Theory for Charge Transfer: The Nature of the N-Bands of Porphyrins and Chlorophylls Revealed through CAM-B3LYP, CASPT2, and SAC-CI Calculations. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15624-15632.	1.2	315
4	Kinetic Analysis of Photochemical Upconversion by Triplet-Triplet Annihilation: Beyond Any Spin Statistical Limit. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1795-1799.	2.1	248
5	The Dynamics of Electronic Energy Transfer in Novel Multiporphyrin Functionalized Dendrimers: A Time-Resolved Fluorescence Anisotropy Study. <i>Journal of Physical Chemistry B</i> , 2000, 104, 2596-2606.	1.2	203
6	An approach to porphyrin-based molecular wires: synthesis of a bis(porphyrin)tetraone and its conversion to a linearly conjugated tetrakisporphyrin system. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1569.	2.0	200
7	Real-time single-molecule imaging of oxidation catalysis at a liquid-solid interface. <i>Nature Nanotechnology</i> , 2007, 2, 285-289.	15.6	189
8	Efficiency Enhancement of Organic and Thin-Film Silicon Solar Cells with Photochemical Upconversion. <i>Journal of Physical Chemistry C</i> , 2012, 116, 22794-22801.	1.5	167
9	Dye-Sensitized Solar Cell with Integrated Triplet-Triplet Annihilation Upconversion System. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2073-2078.	2.1	158
10	Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C60, Porphyrin Dimer and C60, and Porphyrin-C60 Dyad. <i>Journal of Physical Chemistry B</i> , 2004, 108, 12865-12872.	1.2	153
11	Supramolecular Photovoltaic Cells Using Porphyrin Dendrimers and Fullerene. <i>Advanced Materials</i> , 2004, 16, 975-979.	11.1	150
12	Laterally-extended porphyrin systems incorporating a switchable unit. Electronic supplementary information (ESI) available: experimental procedures and characterization of compounds. See http://www.rsc.org/suppdata/cc/b1/b111655j/ . <i>Chemical Communications</i> , 2002, , 1122-1123.	2.2	143
13	Endothermic singlet fission is hindered by excimer formation. <i>Nature Chemistry</i> , 2018, 10, 305-310.	6.6	130
14	Novel heterocyclic systems from selective oxidation at the β -pyrrolic position of porphyrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 920-922.	2.0	125
15	Efficient peripheral functionalization of porphyrins. <i>Tetrahedron</i> , 1982, 38, 685-692.	1.0	114
16	Modulation of valence orbital levels of metalloporphyrins by β -substitution: evidence from spectroscopic and electrochemical studies of 2-substituted metallo-5,10,15,20-tetraphenylporphyrins. <i>Inorganic Chemistry</i> , 1991, 30, 1259-1264.	1.9	108
17	Switchable Electronic Coupling in Model Oligoporphyrin Molecular Wires Examined through the Measurement and Assignment of Electronic Absorption Spectra. <i>Journal of the American Chemical Society</i> , 2002, 124, 9299-9309.	6.6	106
18	Metal-Centered Photoinduced Electron Transfer Reduction of a Gold(III) Porphyrin Cation Linked with a Zinc Porphyrin to Produce a Long-Lived Charge-Separated State in Nonpolar Solvents. <i>Journal of the American Chemical Society</i> , 2003, 125, 14984-14985.	6.6	105

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19	Rigid, laterally-bridged bis-porphyrin system. Journal of the Chemical Society Chemical Communications, 1987, , 39.	2.0	104
20	Enantioselective recognition of histidine and lysine esters by porphyrin chiral clefts and detection of amino acid conformations in the bound state. Journal of the Chemical Society Chemical Communications, 1995, , 1925.	2.0	103
21	Ligand, oxygen, and carbon monoxide affinities of iron(II) modified "capped" porphyrins. Journal of the American Chemical Society, 1982, 104, 2101-2109.	6.6	100
22	Porphyrin analogues of Tröger's base: large chiral cavities with a bimetallic binding site. Journal of the Chemical Society Chemical Communications, 1995, , 1077-1079.	2.0	98
23	Long-Lived Charge-Separated State Produced by Photoinduced Electron Transfer in a Zinc Imidazoporphyrin-C60Dyad. Organic Letters, 2003, 5, 2719-2721.	2.4	96
24	Synthesis of porphyrin-2,3,12,13- and -2,3,7,8-tetraones: building blocks for the synthesis of extended porphyrin arrays. Journal of the Chemical Society Chemical Communications, 1995, , 2379.	2.0	93
25	Pyromellitimide Aggregates and Their Response to Anion Stimuli. Journal of the American Chemical Society, 2007, 129, 7155-7162.	6.6	93
26	Steric effects on atropisomerism in tetraarylporphyrins. Journal of the American Chemical Society, 1987, 109, 341-348.	6.6	89
27	Long-lived long-distance photochemically induced spin-polarized charge separation in β -pyrrolic fused ferrocene-porphyrin-fullerene systems. Chemical Science, 2012, 3, 257-269.	3.7	88
28	Photochemical Upconversion Enhanced Solar Cells: Effect of a Back Reflector. Australian Journal of Chemistry, 2012, 65, 480.	0.5	85
29	Porphyrins with appended phenanthroline units: a means by which porphyrin π -systems can be connected to an external redox centre. Journal of the Chemical Society Chemical Communications, 1995, , 1921-1923.	2.0	84
30	Entropically Driven Photochemical Upconversion. Journal of Physical Chemistry A, 2011, 115, 1047-1053.	1.1	84
31	Rigid Fused Oligoporphyrins as Potential Versatile Molecular Wires. 2. B3LYP and SCF Calculated Geometric and Electronic Properties of 98 Oligoporphyrin and Related Molecules. Journal of Physical Chemistry A, 1999, 103, 4385-4397.	1.1	83
32	Tautomerism in 2-substituted 5,10,15,20-tetraphenylporphyrins. Journal of the American Chemical Society, 1986, 108, 3608-3613.	6.6	81
33	Regiospecific introduction of four substituents to porphyrin systems at antipodal pyrrolic positions. Journal of the Chemical Society Chemical Communications, 1991, , 1564.	2.0	81
34	Kinetics of tautomerism in 2-substituted 5,10,15,20-tetraphenylporphyrins: directionality of proton transfer between the inner nitrogens. Journal of the American Chemical Society, 1987, 109, 2335-2341.	6.6	78
35	Photoinduced electron transfer in a β -pyrrolic fused ferrocene-(zinc porphyrin)-fullerene. Physical Chemistry Chemical Physics, 2007, 9, 5260.	1.3	78
36	Increased upconversion performance for thin film solar cells: a trimolecular composition. Chemical Science, 2016, 7, 559-568.	3.7	78

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37	Multiple photosynthetic reaction centres composed of supramolecular assemblies of zinc porphyrin dendrimers with a fullerene acceptor. <i>Chemical Communications</i> , 2011, 47, 7980.	2.2	73
38	Understanding and Improving Solid-State Polymer/C60-Fullerene Bulk-Heterojunction Solar Cells Using Ternary Porphyrin Blends. <i>Journal of Physical Chemistry C</i> , 2007, 111, 15415-15426.	1.5	72
39	A new method for the synthesis of porphyrin- $\hat{1}\pm$ -diones that is applicable to the synthesis of trans-annular extended porphyrin systems. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 1567-1568.	2.0	71
40	Efficient formation of lipophilic dihydroxotin(IV) porphyrins and bis-porphyrins. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2294-2302.	1.3	70
41	Orientation change of porphyrin in Langmuir-Blodgett films caused by a trigger molecule. <i>The Journal of Physical Chemistry</i> , 1993, 97, 12862-12869.	2.9	69
42	Synthesis of $\hat{1}$ -capped porphyrins. <i>Tetrahedron</i> , 1981, 37, 3589-3601.	1.0	68
43	Stereospecificity of oxidative cycloaddition reactions of 1,5-dienes. <i>Journal of the Chemical Society Chemical Communications</i> , 1979, , 918.	2.0	65
44	Syntheses and oxygenation of iron(II) $\hat{1}$ -strapped porphyrin complexes. <i>Tetrahedron</i> , 1982, 38, 27-39.	1.0	65
45	Templated assembly of a molecular capsule. <i>Chemical Communications</i> , 1998, , 11-12.	2.2	65
46	Control of reactivity at the porphyrin periphery by metal ion co-ordination: a general method for specific nitration at the $\hat{1}$ -pyrrolic position of 5,10,15,20-tetra-arylporphyrins. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1535-1536.	2.0	63
47	Energy Transfer within Zn-Porphyrin Dendrimers: $\hat{1}$ Study of the Singlet $\hat{1}$ Singlet Annihilation Kinetics. <i>Journal of Physical Chemistry A</i> , 2005, 109, 10654-10662.	1.1	63
48	Efficient synthesis of free-base 2-formyl-5,10,15,20-tetraarylporphyrins, their reduction and conversion to [(porphyrin-2-yl)methyl]phosphonium salts. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 708-719.	0.4	61
49	A porphyrin-hexa-peri-hexabenzocoronene-porphyrin triad: synthesis, photophysical properties and performance in a photovoltaic device. <i>Journal of Materials Chemistry</i> , 2010, 20, 7005.	6.7	60
50	A new and highly efficient synthesis of hydroxyporphyrins. <i>Tetrahedron</i> , 1987, 43, 4569-4577.	1.0	57
51	A Convenient Synthesis of 2-Alkyl-5,10,15,20-tetraphenylporphyrins: Reaction of Metallo-2-nitro-5,10,15,20-tetraphenylporphyrins with Grignard and Organolithium Reagents. <i>Journal of Organic Chemistry</i> , 1994, 59, 4433-4437.	1.7	56
52	Molecular electronic properties of fused rigid porphyrin-oligomer molecular wires. <i>Chemical Physics Letters</i> , 1996, 256, 353-359.	1.2	56
53	Substituent Effects on the Site of Electron Transfer during the First Reduction for Gold(III) Porphyrins. <i>Inorganic Chemistry</i> , 2004, 43, 2078-2086.	1.9	56
54	Photoinduced electron-transfer dynamics and long-lived CS states of donor-acceptor linked dyads and a triad containing a gold porphyrin in nonpolar solvents. <i>Chemical Physics</i> , 2006, 326, 3-14.	0.9	56

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55	Singlet Oxygen Mediated Photochemical Upconversion of NIR Light. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 966-971.	2.1	55
56	Chemical models for aspects of the photosynthetic reaction centre: synthesis and photophysical properties of tris- and tetrakis-porphyrins that resemble the arrangement of chromophores in the natural system. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 852.	1.5	54
57	Quinoxalino[2,3- <i>b</i>]porphyrins Behave as π -Expanded Porphyrins upon One-Electron Reduction: Broad Control of the Degree of Delocalization through Substitution at the Macrocycle Periphery. <i>Journal of Physical Chemistry B</i> , 2007, 111, 8762-8774.	1.2	54
58	Rigid Fused Oligoporphyrins as Potential Versatile Molecular Wires. 1. Geometry and Connectivity of 1,4,5,8-Tetraazaanthracene-Bridged Systems. <i>The Journal of Physical Chemistry</i> , 1994, 98, 11878-11884.	2.9	53
59	The Mechanism of Inner-Hydrogen Migration in Free Base Porphyrin: Ab Initio MP2 Calculations. <i>Journal of the American Chemical Society</i> , 1995, 117, 2855-2861.	6.6	53
60	Inter-porphyrin coupling: how strong should it be for molecular electronics applications?. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 795-805.	0.4	52
61	Photoinduced energy and electron transfer in bis-porphyrins with quinoxaline Tröger's base and biquinoxalanyl spacers. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 4281-4291.	1.3	51
62	Assignment of Stereochemistry of Facially Protected Bis-porphyrins by Use of a π -Molecular Ruler. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1709-1712.	7.2	51
63	Room temperature self-assembly of mixed nanoparticles into photonic structures. <i>Nature Communications</i> , 2012, 3, 1188.	5.8	51
64	A strategy for the stepwise ring annulation of all four pyrrolic rings of a porphyrin. <i>Chemical Communications</i> , 2007, , 4851.	2.2	50
65	Optimization and Chemical Control of Porphyrin-Based Molecular Wires and Switches. <i>Annals of the New York Academy of Sciences</i> , 1998, 852, 1-21.	1.8	49
66	Tautomerism in 2-hydroxy-5,10,15,20-tetraphenylporphyrin: an equilibrium between enol, keto, and aromatic hydroxyl tautomers. <i>Journal of Organic Chemistry</i> , 1988, 53, 1132-1137.	1.7	47
67	Novel Cleft-Containing Porphyrins as Models for Studying Electron Transfer Processes. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 361-363.	4.4	46
68	Fused porphyrin-imidazole systems: new building blocks for synthesis of porphyrin arrays. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 2429-2431.	0.9	45
69	Evidence that gold(III) porphyrins are not electrochemically inert: facile generation of gold(II) 5,10,15,20-tetrakis(3,5-di- <i>tert</i> -butylphenyl)porphyrin. <i>Chemical Communications</i> , 2002, , 356-357.	2.2	45
70	A new method for regiospecific deuteration and reduction of 5,10,15,20-tetraphenylporphyrins: nucleophilic reaction of borohydride ion with 2-nitro-5,10,15,20-tetraphenylporphyrins. <i>Journal of Organic Chemistry</i> , 1993, 58, 4370-4375.	1.7	43
71	Porphyrin-Mediated Cell Surface Heme Capture from Hemoglobin by <i>Porphyromonas gingivalis</i> . <i>Journal of Bacteriology</i> , 2003, 185, 2528-2537.	1.0	42
72	A priori calculations of the free energy of formation from solution of polymorphic self-assembled monolayers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E6101-10.	3.3	42

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73	Synthesis and physical properties of biquinoxalinylyl bridged bis-porphyrins: models for aspects of Photosynthetic Reaction Centres. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 2777.	1.5	41
74	Orientation Change of Dimer-Type Porphyrin in Langmuir-Blodgett Films Caused by a Trigger Molecule. <i>Langmuir</i> , 1995, 11, 4056-4060.	1.6	40
75	Investigation of a "reverse" approach to extended porphyrin systems. Synthesis of a 2,3-diaminoporphyrin and its reactions with I ₂ -diones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 2675-2684.	0.9	39
76	Spectroscopic identification of a dinuclear metal centre in manganese(II)-activated aminopeptidase P from <i>Escherichia coli</i> : implications for human prolidase. <i>Journal of Biological Inorganic Chemistry</i> , 1998, 3, 470-483.	1.1	39
77	Efficient up-conversion by triplet-triplet annihilation. <i>Journal of Physics: Conference Series</i> , 2009, 185, 012002.	0.3	39
78	Tunable Self-Assembly of Triazole-Linked Porphyrin-Polymer Conjugates. <i>Chemistry - A European Journal</i> , 2013, 19, 12759-12770.	1.7	38
79	Synthesis of accurate distance models of the primary donor - primary acceptor pair of bacterial photosynthetic reaction centres. <i>Tetrahedron Letters</i> , 1996, 37, 6807-6810.	0.7	37
80	Molecular electronic properties of fused rigid porphyrin-oligomer molecular wires. <i>Nanotechnology</i> , 1996, 7, 424-429.	1.3	36
81	Resolution of a porphyrin analogue of Tröger's base by making use of ligand binding affinity differences of the enantiomers. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1161-1164.	1.8	36
82	Spectroscopy of the Free Phenalenyl Radical. <i>Journal of the American Chemical Society</i> , 2011, 133, 14554-14557.	6.6	36
83	A new method for controlling the orientation of functional molecules in Langmuir-Blodgett films. <i>Journal of the American Chemical Society</i> , 1992, 114, 10662-10663.	6.6	35
84	Use of NMR spectroscopy to determine bond orders between .beta.- and .beta.'-pyrrolic positions of porphyrins: structural differences between free-base porphyrins and metalloporphyrins. <i>Journal of the American Chemical Society</i> , 1992, 114, 3266-3272.	6.6	35
85	Androgynous Porphyrins. Silver(II) Quinoxalinoporphyrins Act as Both Good Electron Donors and Acceptors. <i>Journal of the American Chemical Society</i> , 2008, 130, 9451-9458.	6.6	35
86	Synthesis of a conductive network of crosslinked carbon nanotube/hemoglobin on a thiol-modified Au Surface and its application to biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 42, 273-279.	5.3	35
87	Thiophene-Appended Porphyrin Systems. <i>Tetrahedron Letters</i> , 1997, 38, 6751-6754.	0.7	33
88	Energy transfer and conformational dynamics in Zn-porphyrin dendrimers. <i>Chemical Physics Letters</i> , 2005, 403, 205-210.	1.2	33
89	Photoinduced Electron Transfer and Charge-Recombination in 2-Ureido-4[1H]-Pyrimidinone Quadruple Hydrogen-Bonded Porphyrin-Fullerene Assemblies. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23634-23641.	1.5	33
90	A new fundamental type of conformational isomerism. <i>Nature Chemistry</i> , 2018, 10, 615-624.	6.6	33

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91	Structural Induced Control of Energy Transfer within Zn(II)-Porphyrin Dendrimers. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10589-10597.	1.1	32
92	Inhibition and active-site modelling of prolidase. <i>FEBS Journal</i> , 1989, 180, 377-384.	0.2	31
93	A Convenient Procedure for Moderate-scale Rothmund Synthesis of Lipophilic Porphyrins: an Alternative to the Adler-Longo and Lindsey Methodologies. , 1998, 02, 511-516.		31
94	Control of the Orbital Delocalization and Implications for Molecular Rectification in the Radical Anions of Porphyrins with Coplanar 90° and 180° β -Fused Extensions. <i>Journal of Physical Chemistry A</i> , 2008, 112, 556-570.	1.1	31
95	Evanescent-Field Spectroscopy using Structured Optical Fibers: Detection of Charge-Transfer at the Porphyrin-Silica Interface. <i>Journal of the American Chemical Society</i> , 2009, 131, 2925-2933.	6.6	31
96	Efficient synthesis of 2-oxy-5,10,15,20-tetraphenylporphyrins from a nitroporphyrin by a novel multi-step cine-substitution sequence. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 1537.	2.0	30
97	Reaction of metallo-2-nitro-5,10,15,20-tetraphenylporphyrins with oxyanions. Temperature-dependent competition between nucleophilic addition and single-electron transfer processes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1996, , 1251.	0.9	30
98	Water-soluble porphyrin detection in a pure-silica photonic crystal fiber. <i>Optics Letters</i> , 2006, 31, 2100.	1.7	30
99	Fluorescent bowl-shaped nanoparticles from β -clicked porphyrin-polymer conjugates. <i>Polymer Chemistry</i> , 2014, 5, 4016-4021.	1.9	30
100	Porphyrin-Diones and Porphyrin-Tetraones: Reversible Redox Units Being Localized within the Porphyrin Macrocycle and Their Effect on Tautomerism. <i>Journal of the American Chemical Society</i> , 2007, 129, 6576-6588.	6.6	29
101	Synthesis of iron(II)-C ₂ -capped strapped porphyrin complexes and their reaction with dioxygen. <i>Journal of the Chemical Society Dalton Transactions</i> , 1984, , 1739-1746.	1.1	28
102	Direct observation of tautomeric forms of deuteroporphyrin derivatives by proton NMR spectroscopy: substituent effects and structure implications. <i>Journal of Organic Chemistry</i> , 1992, 57, 1833-1837.	1.7	28
103	Solvent-dependent ambident nucleophilicity of phenoxide ion towards nitroporphyrins: synthesis of 2-hydroxyaryl- and 2-aryloxy-5,10,15,20-tetraphenylporphyrins by displacement of a nitro group. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 3087-3096.	0.9	28
104	An Efficient Fluorescence Sensor for Superoxide with an Acridinium Ion-Linked Porphyrin Triad. <i>Journal of the American Chemical Society</i> , 2011, 133, 11092-11095.	6.6	28
105	β -Lactam analogues of monocyclic β -lactam antibiotics. <i>Tetrahedron Letters</i> , 1987, 28, 2883-2886.	0.7	27
106	Orientation Control of Functional Molecules in Langmuir-Blodgett Films Caused by a Trigger Molecule: Infrared Spectroscopic Study on the Orientation of n-Alkane, Trigger Molecule. <i>Langmuir</i> , 1995, 11, 4495-4498.	1.6	27
107	Effect of Axial Ligands and Macrocyclic Structure on Redox Potentials and Electron-Transfer Mechanisms of Sn(IV) Porphyrins. <i>Inorganic Chemistry</i> , 2007, 46, 10840-10849.	1.9	27
108	Electrochemistry and Spectroelectrochemistry of β -Fused Quinoxalinoporphyrins and Related Extended Bis-porphyrins with Co(III), Co(II), and Co(I) Central Metal Ions. <i>Inorganic Chemistry</i> , 2010, 49, 1027-1038.	1.9	27

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109	Control of the site and potential of reduction and oxidation processes in Γ -expanded quinoxalinoporphyrins. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 268-280.	1.3	26
110	Measurement of Fluorescence in a Rhodamine-123 Doped Self-Assembled α -Giant-Mesostructured Silica Sphere Using a Smartphone as Optical Hardware. <i>Sensors</i> , 2011, 11, 7055-7062.	2.1	26
111	Percolation Diffusion into Self-Assembled Mesoporous Silica Microfibres. <i>Nanomaterials</i> , 2014, 4, 157-174.	1.9	26
112	Time-resolved and temperature tuneable measurements of fluorescent intensity using a smartphone fluorimeter. <i>Analyst</i> , 2017, 142, 1953-1961.	1.7	26
113	Chemisorbed and Physisorbed Structures for 1,10-Phenanthroline and Dipyrido[3,2- <i>a</i> :1',2'- <i>b</i>]phenazine on Au(111). <i>Journal of Physical Chemistry C</i> , 2007, 111, 17285-17296.	1.5	25
114	Construction of building blocks for extended porphyrin arrays by nitration of porphyrin-2,3-diones and quinoxalino[2,3- <i>b</i>]porphyrins. <i>New Journal of Chemistry</i> , 2008, 32, 340-352.	1.4	25
115	Little exchange at the liquid/solid interface: defect-mediated equilibration of physisorbed porphyrin monolayers. <i>Chemical Communications</i> , 2011, 47, 9666.	2.2	25
116	Change in the Site of Electron-Transfer Reduction of a Zinc-Quinoxalinoporphyrin/Gold-Quinoxalinoporphyrin Dyad by Binding of Scandium Ions and the Resulting Remarkable Elongation of the Charge-Shifted State Lifetime. <i>Chemistry - A European Journal</i> , 2009, 15, 10493-10503.	1.7	24
117	Electrochemical studies of porphyrin-appended dendrimers. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2058.	1.3	23
118	Cavity effect amplification in the recognition of dicarboxylic acids by initial ditopic H-bond formation followed by kinetic trapping. <i>Chemical Communications</i> , 2007, , 225-227.	2.2	23
119	Gold(III) Porphyrins Containing Two, Three, or Four β -Fused Quinoxalines. Synthesis, Electrochemistry, and Effect of Structure and Acidity on Electroreduction Mechanism. <i>Inorganic Chemistry</i> , 2013, 52, 2474-2483.	1.9	23
120	Reaction of 5-nitro-octaethylporphyrins with nucleophiles. <i>Journal of Porphyrins and Phthalocyanines</i> , 2002, 06, 685-694.	0.4	22
121	An azanorbornadiene anchor for molecular-level construction on silicon(100). <i>Nanotechnology</i> , 2004, 15, 324-332.	1.3	22
122	Synthetically tuneable biomimetic artificial photosynthetic reaction centres that closely resemble the natural system in purple bacteria. <i>Chemical Science</i> , 2016, 7, 6534-6550.	3.7	22
123	Atomic-Resolution Kinked Structure of an Alkylporphyrin on Highly Ordered Pyrolytic Graphite. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 62-66.	2.1	21
124	Micro-optical design of photochemical upconverters for thin-film solar cells. <i>Journal of Photonics for Energy</i> , 2013, 3, 034598.	0.8	21
125	Polymorphism in porphyrin monolayers: the relation between adsorption configuration and molecular conformation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12451.	1.3	21
126	Synthesis and Photophysical Properties of Porphyrin-Functionalized Molecular Clips. <i>Journal of Organic Chemistry</i> , 1999, 64, 6653-6663.	1.7	20

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127	Scanning Tunneling Microscopy and Spectroscopy Studies of Porphyrins at Solid-Liquid Interfaces. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 1953-1955.	0.8	20
128	Expansion of the porphyrin π -system: stepwise annelation of porphyrin β, β' -pyrrolic faces leading to trisquinoxalino porphyrin. <i>New Journal of Chemistry</i> , 2009, 33, 1076.	1.4	20
129	Controlled Templating of Porphyrins by a Molecular Command Layer. <i>Langmuir</i> , 2011, 27, 2644-2651.	1.6	20
130	Chemistry of the Coccoidea. IV. Polyhydroxyanthraquinones and their glucosides from <i>Eriococcus coriaceus</i> (Hemiptera: Insecta). <i>Australian Journal of Chemistry</i> , 1976, 29, 2231.	0.5	18
131	Carbon-13 N.M.R. Studies of 1,4-Naphthoquinones and 9,10-Anthraquinones. <i>Australian Journal of Chemistry</i> , 1979, 32, 769.	0.5	18
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133	Electrochemical and spectroelectrochemical properties of building blocks for molecular arrays: reactions of quinoxalino[2,3-b]porphyrins containing metal(II) ions. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 142-151.	0.4	18
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