Daniel Gryko

List of Publications by Year
in descending order

488 papers	21,048 citations	13827 67 h-index	18075 120 g-index
507 all docs	507 docs citations	507 times ranked	16856 citing authors

#	Article	IF	Citations
1	Metal-free organocatalysis through explicit hydrogen bonding interactions. Chemical Society Reviews, 2003, 32, 289.	18.7	1,173
2	London Dispersion in Molecular Chemistryâ€"Reconsidering Steric Effects. Angewandte Chemie - International Edition, 2015, 54, 12274-12296.	7.2	719
3	From Chemical Topology to Molecular Machines (Nobel Lecture). Angewandte Chemie - International Edition, 2017, 56, 11080-11093.	7.2	635
4	Comparison of Oxidative Aromatic Coupling and the Scholl Reaction. Angewandte Chemie - International Edition, 2013, 52, 9900-9930.	7.2	627
5	Efficient Synthesis of meso-Substituted Corroles in a H2Oâˆ'MeOH Mixture. Journal of Organic Chemistry, 2006, 71, 3707-3717.	1.7	383
6	A strategy for constructing photosynthetic models: porphyrin-containing modules assembled around transition metals. Chemical Society Reviews, 1996, 25, 41.	18.7	313
7	Diketopyrrolopyrroles: Synthesis, Reactivity, and Optical Properties. Advanced Optical Materials, 2015, 3, 280-320.	3.6	305
8	Imidazo[1,2-<i>a</i>]pyridines Susceptible to Excited State Intramolecular Proton Transfer: One-Pot Synthesis via an Ortolevaâ€"King Reaction. Journal of Organic Chemistry, 2012, 77, 5552-5558.	1.7	301
9	Methylhydroxycarbene: Tunneling Control of a Chemical Reaction. Science, 2011, 332, 1300-1303.	6.0	274
10	Evolution of asymmetric organocatalysis: multi- and retrocatalysis. Green Chemistry, 2012, 14, 1821.	4.6	249
11	Synthetic Applications of Oxidative Aromatic Couplingâ€"From Biphenols to Nanographenes. Angewandte Chemie - International Edition, 2020, 59, 2998-3027.	7.2	224
12	Synthesis of Corroles and Their Heteroanalogs. Chemical Reviews, 2017, 117, 3102-3137.	23.0	218
13	Ï€-Expanded coumarins: synthesis, optical properties and applications. Journal of Materials Chemistry C, 2015, 3, 1421-1446.	2.7	203
14	Photoactive corrole-based arrays. Chemical Society Reviews, 2009, 38, 1635.	18.7	194
15	Hydrogenâ€Bonding Thiourea Organocatalysts: The Privileged 3,5â€Bis(trifluoromethyl)phenyl Group. European Journal of Organic Chemistry, 2012, 2012, 5919-5927.	1.2	187
16	Corroleâˆ'Fullerene Dyads: Formation of Long-Lived Charge-Separated States in Nonpolar Solvents. Journal of the American Chemical Society, 2008, 130, 14263-14272.	6.6	185
17	Recent Advances in the Synthesis of Corroles and Core-Modified Corroles. European Journal of Organic Chemistry, 2002, 2002, 1735-1743.	1.2	182
18	Relative Energy Computations with Approximate Density Functional Theoryâ€"A Caveat!. Angewandte Chemie - International Edition, 2007, 46, 4217-4219.	7.2	180

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19	Refined methods for the synthesis of meso-substituted A3- and trans-A2B-corrolesElectronic supplementary information (ESI) available: table describing attempts to optimize the reaction of MesDPM 30 with aldehyde 11. See http://www.rsc.org/suppdata/ob/b2/b208950e/. Organic and Biomolecular Chemistry, 2003, 1, 350-357.	1.5	177
20	Recent advances in the synthesis of indolizines and their Ï€-expanded analogues. Organic and Biomolecular Chemistry, 2016, 14, 7804-7828.	1.5	176
21	Synthesis of Ï€-extended porphyrins via intramolecular oxidative coupling. Chemical Communications, 2012, 48, 10069.	2.2	169
22	Photophysical characterization of free-base corroles, promising chromophores for light energy conversion and singlet oxygen generation. New Journal of Chemistry, 2005, 29, 1559.	1.4	161
23	A Simple and Versatile One-Pot Synthesis ofmeso-Substitutedtrans-A2B-Corroles. Journal of Organic Chemistry, 2001, 66, 4267-4275.	1.7	159
24	Recent advances in the chemistry of corroles and core-modified corroles. Journal of Porphyrins and Phthalocyanines, 2004, 08, 1091-1105.	0.4	144
25	Tunneling Control of Chemical Reactions: The Third Reactivity Paradigm. Journal of the American Chemical Society, 2017, 139, 15276-15283.	6.6	144
26	Von der chemischen Topologie zu molekularen Maschinen (Nobelâ€Aufsatz). Angewandte Chemie, 2017, 129, 11228-11242.	1.6	142
27	Synthesis of â€œPorphyrin-Linker-Thiolâ€• Molecules with Diverse Linkers for Studies of Molecular-Based Information Storage. Journal of Organic Chemistry, 2000, 65, 7345-7355.	1.7	139
28	Computational Chemistry: The Fate of Current Methods and Future Challenges. Angewandte Chemie - International Edition, 2018, 57, 4170-4176.	7.2	138
29	Electrochemistry and Spectroelectrochemistry of meso-Substituted Free-Base Corroles in Nonaqueous Media:Â Reactions of (Cor)H3, [(Cor)H4]+, and [(Cor)H2]-. Inorganic Chemistry, 2006, 45, 2251-2265.	1.9	134
30	London Dispersion Enables the Shortest Intermolecular Hydrocarbon HÂ·Â·Â·H Contact. Journal of the American Chemical Society, 2017, 139, 7428-7431.	6.6	126
31	Computational Studies on the Cyclizations of Enediynes, Enyne-Allenes, and Related Polyunsaturated Systems. Accounts of Chemical Research, 2005, 38, 29-37.	7.6	119
32	The Tetraarylpyrrolo[3,2-<i>b</i>]pyrrolesâ€"From Serendipitous Discovery to Promising Heterocyclic Optoelectronic Materials. Accounts of Chemical Research, 2017, 50, 2334-2345.	7.6	109
33	Thiol-Derivatized Porphyrins for Attachment to Electroactive Surfaces. Journal of Organic Chemistry, 1999, 64, 8635-8647.	1.7	108
34	Symmetryâ€Breaking Charge Transfer and Hydrogen Bonding: Toward Asymmetrical Photochemistry. Angewandte Chemie - International Edition, 2016, 55, 15624-15628.	7.2	107
35	Molecular approach toward information storage based on the redox properties of porphyrins in self-assembled monolayers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2359.	1.6	105
36	Metalâ€“Organic Frameworks Incorporating Copperâ€Complexed Rotaxanes. Angewandte Chemie - International Edition, 2012, 51, 2160-2163.	7.2	105

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37	Sizing the role of London dispersion in the dissociation of all-meta tert-butyl hexaphenylethane. Chemical Science, 2017, 8, 405-410.	3.7	104
38	A Dual-Catalysis Anion-Binding Approach to the Kinetic Resolution of Amines: Insights into the Mechanism via a Combined Experimental and Computational Study. Journal of the American Chemical Society, 2015, 137, 5748-5758.	6.6	103
39	Adventures in the synthesis of meso-substituted corroles. Journal of Porphyrins and Phthalocyanines, 2008, 12, 906-917.	0.4	101
40	Synthesis of Thiol-Derivatized Ferroceneâˆ'Porphyrins for Studies of Multibit Information Storage. Journal of Organic Chemistry, 2000, 65, 7356-7362.	1.7	99
41	Hydrogen-bonded diketopyrrolopyrrole (DPP) pigments as organic semiconductors. Organic Electronics, 2014, 15, 3521-3528.	1.4	99
42	On-surface synthesis of a nitrogen-embedded buckybowl with inverse Stoneâ€"Throwerâ€"Wales topology. Nature Communications, 2018, 9, 1714.	5.8	98
43	Visible light communication with efficient far-red/near-infrared polymer light-emitting diodes. Light: Science and Applications, 2020, 9, 70.	7.7	97
44	Pyrrolo[3,2â€<i>b</i>]pyrrolesâ€"From Unprecedented Solvatofluorochromism to Twoâ€Photon Absorption. Chemistry - A European Journal, 2015, 21, 18364-18374.	1.7	93
45	A simple, rational synthesis of meso-substituted A2B-corroles. Chemical Communications, 2000, , 2243-2244.	2.2	92
46	Rhodols â€" synthesis, photophysical properties and applications as fluorescent probes. Chemical Society Reviews, 2019, 48, 5242-5265.	18.7	89
47	Bright, emission tunable fluorescent dyes based on imidazole and Ï€-expanded imidazole. Journal of Materials Chemistry, 2012, 22, 20649.	6.7	87
48	Study of Intermolecular Interactions in the Corrole Matrix by Solidâ€State NMR under 100â€…kHz MAS and Theoretical Calculations. Angewandte Chemie - International Edition, 2013, 52, 14108-14111.	7.2	86
49	Highly Efficient Ultrafast Electron Injection from the Singlet MLCT Excited State of Copper(I) Diimine Complexes to TiO₂ Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 12711-12715.	7.2	85
50	A siliconâ€"carbonyl complex stable at room temperature. Nature Chemistry, 2020, 12, 608-614.	6.6	85
51	Comparison of Electron-Transfer and Charge-Retention Characteristics of Porphyrin-Containing Self-Assembled Monolayers Designed for Molecular Information Storage. Journal of Physical Chemistry B, 2002, 106, 8639-8648.	1.2	84
52	Band gap tuning in nanodiamonds: first principle computational studies. Molecular Physics, 2009, 107, 823-830.	0.8	83
53	Excited-State Symmetry Breaking in a Quadrupolar Molecule Visualized in Time and Space. Journal of Physical Chemistry Letters, 2017, 8, 6029-6034.	2.1	82
54	Reversible Oâˆ'O Bond Cleavage and Formation between Mn(IV)-Peroxo and Mn(V)-Oxo Corroles. Journal of the American Chemical Society, 2010, 132, 14030-14032.	6.6	81

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55	Synthesis and Optical Properties of Tetraarylâ€•1,4â€•dihydropyrrolo[3,2â€‹<i>b</i>]pyrroles. Asian Journal of Organic Chemistry, 2013, 2, 411-415.	1.3	80
56	Bright, Color-Tunable Fluorescent Dyes Based on Ï€-Expanded Diketopyrrolopyrroles. Organic Letters, 2012, 14, 2670-2673.	2.4	79
57	Hybrid metalâ€“organic chalcogenide nanowires with electrically conductive inorganic core through diamondoid-directed assembly. Nature Materials, 2017, 16, 349-355.	13.3	79
58	Synthesis of Corroles Bearing up to Three Different Meso Substituents. Organic Letters, 2002, 4, 4491-4494.	2.4	78
59	V-Shaped Bis-Coumarins: Synthesis and Optical Properties. Journal of Organic Chemistry, 2014, 79, 8723-8732.	1.7	77
60	Capsule-controlled selectivity of a rhodium hydroformylation catalyst. Nature Communications, 2013, 4, 2670.	5.8	74
61	Syntheseanwendungen der oxidativen aromatischen Kupplung â€“ von Biphenolen zu Nanographenen. Angewandte Chemie, 2020, 132, 3020-3050.	1.6	74
62	5-Substituted dipyrranes: synthesis and reactivity. Chemical Society Reviews, 2012, 41, 3780.	18.7	73
63	Ï€-Expanded Ketocoumarins as Efficient, Biocompatible Initiators for Two-Photon-Induced Polymerization. Chemistry of Materials, 2014, 26, 3175-3184.	3.2	72
64	Tetraaryl-, Pentaaryl-, and Hexaaryl-1,4-dihydropyrrolo[3,2-<i>b</i>]pyrroles: Synthesis and Optical Properties. Journal of Organic Chemistry, 2014, 79, 3119-3128.	1.7	71
65	Sterically controlled mechanochemistry under hydrostatic pressure. Nature, 2018, 554, 505-510.	13.7	71
66	Recent Advances in the Synthesis of Hydroporphyrins. Current Organic Chemistry, 2007, 11, 1310-1338.	0.9	70
67	Probing the Delicate Balance between Pauli Repulsion and London Dispersion with Triphenylmethyl Derivatives. Journal of the American Chemical Society, 2018, 140, 14421-14432.	6.6	70
68	Nonplanar Butterflyâ€•Shaped Ï€â€•Expanded Pyrrolopyrroles. Chemistry - A European Journal, 2016, 22, 16478-16488.	1.7	69
69	Ureaâ€•and Thioureaâ€•Catalyzed Aminolysis of Carbonates. ChemSusChem, 2016, 9, 2269-2272.	3.6	69
70	Vertical-Substrate MPCVD Epitaxial Nanodiamond Growth. Nano Letters, 2017, 17, 1489-1495.	4.5	68
71	Energy- and Electron-Transfer Processes in Corroleâˆ'Perylenebisimideâˆ'Triphenylamine Array. Journal of Physical Chemistry C, 2008, 112, 19699-19709.	1.5	67
72	Photoinduced energy and electron transfer in 1,8-naphthalimideâ€“corrole dyads. New Journal of Chemistry, 2007, 31, 247-259.	1.4	66

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73	Heats of formation of platonic hydrocarbon cages by means of highâ€level thermochemical procedures. Journal of Computational Chemistry, 2016, 37, 49-58.	1.5	66
74	Palladium-Catalyzed 2-Arylation of Pyrroles. Journal of Organic Chemistry, 2009, 74, 9517-9520.	1.7	65
75	Strongly Emitting Fluorophores Based on 1-Azaperylene Scaffold. Journal of Organic Chemistry, 2010, 75, 1297-1300.	1.7	65
76	Twoâ€Photonâ€Induced Fluorescence in New Ï€â€Expanded Diketopyrrolopyrroles. Chemistry - A European Journal, 2014, 20, 12493-12501.	1.7	65
77	Polar Diketopyrrolopyrroleâ€Imidazolium Salts as Selective Probes for Staining Mitochondria in Twoâ€Photon Fluorescence Microscopy. Chemistry - A European Journal, 2015, 21, 9101-9110.	1.7	65
78	Acidic Câ€"H Bond as a Proton Donor in Excited State Intramolecular Proton Transfer Reactions. Journal of Chemical Theory and Computation, 2015, 11, 1046-1054.	2.3	65
79	Straightforward route to trans-A2B-corroles bearing substituents with basic nitrogen atoms. Journal of Porphyrins and Phthalocyanines, 2002, 06, 81-97.	0.4	62
80	Diverse Redox-Active Molecules Bearing O-, S-, or Se-Terminated Tethers for Attachment to Silicon in Studies of Molecular Information Storage. Journal of Organic Chemistry, 2004, 69, 1435-1443.	1.7	62
81	Preparation of a Family of 10-Hydroxybenzo[<i>h</i>]quinoline Analogues via a Modified Sanford Reaction and Their Excited State Intramolecular Proton Transfer Properties. Journal of Organic Chemistry, 2011, 76, 10220-10228.	1.7	62
82	Photoinduced Charge Transfer in Porphyrinâ€"Cobaloxime and Corroleâ€"Cobaloxime Hybrids. Journal of Physical Chemistry C, 2013, 117, 1647-1655.	1.5	62
83	Intramolecular London Dispersion Interaction Effects on Gas-Phase and Solid-State Structures of Diamondoid Dimers. Journal of the American Chemical Society, 2017, 139, 16696-16707.	6.6	62
84	<i>Meso</i>â€Substituted Liquid Porphyrins. Chemistry - an Asian Journal, 2010, 5, 904-909.	1.7	61
85	Strong two-photon absorption enhancement in a unique bis-porphyrin bearing a diketopyrrolopyrrole unit. Chemical Communications, 2013, 49, 8368.	2.2	61
86	Excited-state intramolecular proton transfer in 2â€²-(2â€²-hydroxyphenyl)imidazo[1,2- a]pyridines. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 28, 116-137.	5.6	61
87	How To Reach Intense Luminescence for Compounds Capable of Excitedâ€State Intramolecular Proton Transfer?. Chemistry - A European Journal, 2016, 22, 7485-7496.	1.7	60
88	New and Efficient Arrays for Photoinduced Charge Separation Based on Perylene Bisimide and Corroles. Chemistry - A European Journal, 2008, 14, 169-183.	1.7	59
89	Photophysical properties of a new, stable corrole-porphyrin dyad. Inorganica Chimica Acta, 2007, 360, 803-813.	1.2	58
90	Mesoâ€"meso linked corroles. Chemical Communications, 2007, , 2994-2996.	2.2	57

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91	Octupolar Merocyanine Dyes: A New Class of Nonlinear Optical Chromophores. Chemistry - A European Journal, 2012, 18, 9258-9266.	1.7	57
92	London Dispersion Interactions Rather than Steric Hindrance Determine the Enantioselectivity of the Coreyâ€“Bakshiâ€“Shibata Reduction. Angewandte Chemie - International Edition, 2021, 60, 4823-4832.	7.2	57
93	Investigation of Tightly Coupled Porphyrin Arrays Comprised of Identical Monomers for Multibit Information Storage. Journal of Organic Chemistry, 2000, 65, 7371-7378.	1.7	56
94	Glaser-Mediated Synthesis and Photophysical Characterization of Diphenylbutadiyne-Linked Porphyrin Dyads. Journal of Organic Chemistry, 2002, 67, 2111-2117.	1.7	56
95	Baseâ€Mediated Direct Arylation of Pyrrole Derivatives. Advanced Synthesis and Catalysis, 2011, 353, 925-930.	2.1	56
96	Modulation of Symmetry-Breaking Intramolecular Charge-Transfer Dynamics Assisted by Pendant Side Chains in Ï€-Linkers in Quadrupolar Diketopyrrolopyrrole Derivatives. Journal of Physical Chemistry Letters, 2016, 7, 3060-3066.	2.1	56
97	Synthesis of Thiol-Derivatized Porphyrin Dimers and Trimers for Studies of Architectural Effects on Multibit Information Storage. Journal of Organic Chemistry, 2000, 65, 7363-7370.	1.7	55
98	Synthesis of Locked meso-Î²-Substituted Chlorins via 1,3-Dipolar Cycloaddition. Journal of Organic Chemistry, 2006, 71, 5942-5950.	1.7	55
99	Dipole Effects on Electron Transfer are Enormous. Angewandte Chemie - International Edition, 2018, 57, 12365-12369.	7.2	55
100	Synthesis of Exclusively 4-Substituted Î²-Lactams through the Kinugasa Reaction Utilizing Calcium Carbide. Organic Letters, 2019, 21, 3746-3749.	2.4	55
101	Oxygenation of alkylzinc complexes with pyrrolylketiminate ligand: access to alkylperoxide versusoxo-encapsulated complexes. Chemical Communications, 2009, , 215-217.	2.2	54
102	From Ï€-expanded coumarins to Ï€-expanded pentacenes. Chemical Communications, 2014, 50, 9105-9108.	2.2	53
103	Gating That Suppresses Charge Recombinationâ€“The Role of Mono-<i>N</i>-Arylated Diketopyrrolopyrrole. Journal of the American Chemical Society, 2016, 138, 12826-12832.	6.6	53
104	Intramolecular London Dispersion Interactions Do Not Cancel in Solution. Journal of the American Chemical Society, 2021, 143, 41-45.	6.6	53
105	Bowlâ€Shaped Pentagonâ€•and Heptagonâ€Embedded Nanographene Containing a Central Pyrrolo[3,2â€•<i>b</i>]pyrrole Core. Angewandte Chemie - International Edition, 2021, 60, 14998-15005.	7.2	53
106	<i>Trans</i>â€A₂Bâ€corroles Bearing a Coumarin Moiety â€•From Synthesis to Photophysics. Chemistry - an Asian Journal, 2010, 5, 130-140.	1.7	52
107	Dynamics of Intramolecular Excited State Proton Transfer in Emission Tunable, Highly Luminescent Imidazole Derivatives. Journal of Physical Chemistry C, 2013, 117, 791-803.	1.5	52
108	The Enantioselective Dakinâ€“West Reaction. Angewandte Chemie - International Edition, 2016, 55, 2719-2723.	7.2	52

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109	Bright, Fluorescent Dyes Based on Imidazo[1,2â€<i>a</i>]pyridines that are Capable of Twoâ€Photon Absorption. Chemistry - an Asian Journal, 2013, 8, 1279-1294.	1.7	51
110	Lanthanide corroles: a new class of macrocyclic lanthanide complexes. Chemical Communications, 2013, 49, 3104.	2.2	50
111	Donorâ€“Acceptor Type Thioxanthones: Synthesis, Optical Properties, and Two-Photon Induced Polymerization. Macromolecules, 2015, 48, 2466-2472.	2.2	49
112	Symmetry Breaking in Pyrrolo[3,2â€<i>b</i>]pyrroles: Synthesis, Solvatofluorochromism and Twoâ€photon Absorption. Chemistry - an Asian Journal, 2017, 12, 1736-1748.	1.7	48
113	Nonlinear Optical Chemosensor for Sodium Ion Based on Rhodol Chromophore. Journal of Organic Chemistry, 2013, 78, 11721-11732.	1.7	47
114	Synthesis and linear and nonlinear optical properties of low-melting Ï€-extended porphyrins. Journal of Materials Chemistry C, 2013, 1, 2044.	2.7	47
115	Hybrid Group IV Nanophotonic Structures Incorporating Diamond Silicon-Vacancy Color Centers. Nano Letters, 2016, 16, 212-217.	4.5	46
116	Preparation and Characterization of Parent Phenylphosphinidene and Its Oxidation to Phenyldioxophosphorane: The Elusive Phosphorus Analogue of Nitrobenzene. Journal of the American Chemical Society, 2017, 139, 5019-5022.	6.6	46
117	Pushâ€“Pull Acylo-Phosphine Oxides for Two-Photon-Induced Polymerization. Macromolecules, 2013, 46, 7239-7244.	2.2	45
118	Synthesis and Properties of Ladder-Type BN-Heteroacenes and Diazabenzoindoles Built on a Pyrrolopyrrole Scaffold. Journal of Organic Chemistry, 2016, 81, 6580-6586.	1.7	45
119	Hostâ€“Guest Complexes of Cyclodextrins and Nanodiamonds as a Strong Nonâ€Covalent Binding Motif for Selfâ€Assembled Nanomaterials. Chemistry - A European Journal, 2017, 23, 16059-16065.	1.7	45
120	Protonated Free-Base Corroles:Â Acidity, Electrochemistry, and Spectroelectrochemistry of [(Cor)H4]+, [(Cor)H5]2+, and [(Cor)H6]3+. Inorganic Chemistry, 2007, 46, 2775-2786.	1.9	44
121	Template Synthesis of Linearâ€Chain Nanodiamonds Inside Carbon Nanotubes from Bridgeheadâ€Halogenated Diamantane Precursors. Angewandte Chemie - International Edition, 2015, 54, 10802-10806.	7.2	44
122	1,4â€Dihydropyrrolo[3,2â€<i>b</i>]pyrrole and Its Ï€â€Expanded Analogues. Chemistry - an Asian Journal, 2014, 9, 3036-3045.	1.7	43
123	Diindolo[2,3â€<i>b</i>:2<i>â€²</i>,3<i>â€²</i>â€<i>f</i>]pyrrolo[3,2â€<i>b</i>]pyrroles as Electronâ€Rich, Ladderâ€Type Fluorophores: Synthesis and Optical Properties. Chemistry - an Asian Journal, 2015, 10, 212-218.	1.7	43
124	Gas-phase sugar formation using hydroxymethylene as the reactive formaldehyde isomer. Nature Chemistry, 2018, 10, 1141-1147.	6.6	43
125	Competitive Nitrogen versus Carbon Tunneling. Journal of the American Chemical Society, 2019, 141, 14340-14348.	6.6	43
126	Excited State Intramolecular Proton Transfer in Electron-Rich and Electron-Poor Derivatives of 10-Hydroxybenzo[<i>h</i>]quinoline. Journal of Physical Chemistry A, 2012, 116, 9614-9620.	1.1	42

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127	Selective Cycloaddition of Tetracyanoethene (TCNE) and 7,7,8,8â€Tetracyanoâ€<i>p</i>â€quinodimethane (TCNQ) to Afford <i>meso</i>â€Substituted Phenylethynyl Porphyrins. Chemistry - an Asian Journal, 2012, 7, 1887-1894.	1.7	42
128	Ultralow effective work function surfaces using diamondoid monolayers. Nature Nanotechnology, 2016, 11, 267-272.	15.6	42
129	Unforeseen 1,2-Aryl Shift in Tetraarylpyrrolo[3,2-<i>b</i>]pyrroles Triggered by Oxidative Aromatic Coupling. Organic Letters, 2018, 20, 1517-1520.	2.4	42
130	Catalytic enantiocontrol over a non-classical carbocation. Nature Chemistry, 2020, 12, 1174-1179.	6.6	42
131	Naphthalene-fused metallo-porphyrinsâ€“synthesis and spectroscopy. Organic and Biomolecular Chemistry, 2011, 9, 8178.	1.5	41
132	The Self-Association of Graphane Is Driven by London Dispersion and Enhanced Orbital Interactions. Journal of Chemical Theory and Computation, 2015, 11, 1621-1630.	2.3	41
133	Mild Aliphatic and Benzylic Hydrocarbon Câ€“H Bond Chlorination Using Trichloroisocyanuric Acid. Journal of Organic Chemistry, 2017, 82, 2407-2413.	1.7	41
134	Biscoumarin-containing acenes as stable organic semiconductors for photocatalytic oxygen reduction to hydrogen peroxide. Journal of Materials Chemistry A, 2017, 5, 20780-20788.	5.2	41
135	Two-Step Charge Separation Passing Through the Partial Charge-Transfer State in a Molecular Dyad. Journal of the American Chemical Society, 2020, 142, 1564-1573.	6.6	41
136	Synthesis and properties of directly linked corroleâ€“ferrocene systems. New Journal of Chemistry, 2007, 31, 1613.	1.4	40
137	Why the Chromyl Bond Is Stronger Than the Perchromyl Bond in High-Valent Oxochromium(IV,V) Complexes of Tris(pentafluorophenyl)corrole. Journal of the American Chemical Society, 2009, 131, 14214-14215.	6.6	40
138	Strategy towards large two-photon absorption cross-sections for diketopyrrolopyrroles. Journal of Materials Chemistry C, 2015, 3, 742-749.	2.7	40
139	Conformer-specific hydrogen atom tunnelling in trifluoromethylhydroxycarbene. Nature Chemistry, 2017, 9, 71-76.	6.6	40
140	Atmospherically Relevant Radicals Derived from the Oxidation of Dimethyl Sulfide. Accounts of Chemical Research, 2018, 51, 475-483.	7.6	40
141	Synthesis of lithium corrole and its use as a reagent for the preparation of cyclopentadienyl zirconium and titanium corrole complexes. Chemical Communications, 2012, 48, 10766.	2.2	39
142	Oxidative Aromatic Coupling of meso-Arylamino-porphyrins. Organic Letters, 2013, 15, 5618-5621.	2.4	39
143	Synthesis and Stereochemical Assignment of Cryptoâ€Optically Active ²H₆â€Neopentane. Angewandte Chemie - International Edition, 2015, 54, 13106-13109.	7.2	39
144	Zâ€Shaped Pyrrolo[3,2â€<i>b</i>]pyrroles and Their Transformation into Ï€â€Expanded Indolo[3,2â€<i>b</i>]indoles. Chemistry - A European Journal, 2016, 22, 5198-5203.	1.7	39

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145	Tunneling control of chemical reactions: Câ€“H insertion versus H-tunneling in tert-butylhydroxycarbene. Chemical Science, 2013, 4, 677-684.	3.7	38
146	Quadrupolar, emission-tunable Ï€-expanded 1,4-dihydropyrrolo[3,2-b]pyrroles â€“ synthesis and optical properties. Organic and Biomolecular Chemistry, 2014, 12, 2874-2881.	1.5	38
147	Vertically Ï€-Expanded Coumarins: The Synthesis and Optical Properties. Journal of Organic Chemistry, 2016, 81, 11104-11114.	1.7	38
148	Excited-State Dynamics of an Environment-Sensitive Pushâ€“Pull Diketopyrrolopyrrole: Major Differences between the Bulk Solution Phase and the Dodecane/Water Interface. Journal of Physical Chemistry B, 2014, 118, 9952-9963.	1.2	37
149	Ï€-Expanded Dipyrrolonaphthyridinediones with Large Two-Photon Absorption Cross-Section Values. Journal of Organic Chemistry, 2017, 82, 7254-7264.	1.7	37
150	Experimental measurement of the diamond nucleation landscape reveals classical and nonclassical features. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8284-8289.	3.3	37
151	Deciphering the unusual fluorescence in weakly coupled bis-nitro-pyrrolo[3,2-b]pyrroles. Communications Chemistry, 2020, 3, .	2.0	37
152	Assigning the absolute configuration of single aliphatic molecules by visual inspection. Nature Communications, 2018, 9, 2420.	5.8	36
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