Daniel Gryko

List of Publications by Year
in descending order

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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	Quantifying Solvophobic Effects in Organic Solvents Using a Hydrocarbon Molecular Balance. Journal of Organic Chemistry, 2022, 87, 1874-1878.	1.7	10
2	N-Alkoxyimidazolylidines (NOHCs): nucleophilic carbenes based on an oxidized imidazolium core. Chemical Communications, 2022, 58, 1538-1541.	2.2	1
3	Revisiting the non-fluorescence of nitroaromatics: presumption versus reality. Journal of Materials Chemistry C, 2022, 10, 2870-2904.	2.7	30
4	Direct transformation of coumarins into orange-red emitting rhodols. Chemical Communications, 2022, 58, 1542-1545.	2.2	6
5	Alkylphosphinites as Synthons for Stabilized Carbocations. Organic Letters, 2022, 24, 1460-1464.	2.4	7
6	Tuning the aromatic backbone twist in dipyrrolonaphthyridinediones. Chemical Communications, 2022, 58, 3697-3700.	2.2	3
7	Probing the flux of mitochondrial potassium using an azacrown-diketopyrrolopyrrole based highly sensitive probe. Chemical Communications, 2022, 58, 4500-4503.	2.2	2
8	The KrÃ¶hnke synthesis of benzo[a]indolizines revisited: towards small, red light emitters. Organic Chemistry Frontiers, 2022, 9, 1861-1874.	2.3	6
9	Computational Chemistry as a Conceptual Game Changer: Understanding the Role of London Dispersion in Hexaphenylethane Derivatives (Gomberg Systems). Israel Journal of Chemistry, 2022, 62, .	1.0	12
10	From 2,5-Diformyl-1,4-dihydropyrrolo[3,2-b]pyrroles to Quadrupolar, Centrosymmetric Two-Photon-Absorbing Aâ€“Dâ€“A Dyes. Organic Letters, 2022, 24, 2551-2555.	2.4	5
11	Gauging the Steric Effects of Silyl Groups with a Molecular Balance. Journal of Organic Chemistry, 2022, 87, 4670-4679.	1.7	14
12	Hydroxy Mercapto Methylene: The Missing H₂CSO Isomer. Journal of Physical Chemistry Letters, 2022, 13, 3138-3142.	2.1	1
13	Polarized, V-Shaped, and Conjoined Biscoumarins: From Lack of Dipole Moment Alignment to High Brightness. Journal of Organic Chemistry, 2022, 87, 5961-5975.	1.7	7
14	Synthesis, electronic nature, and reactivity of selected silylene carbonyl complexes. Dalton Transactions, 2022, 51, 8249-8257.	1.6	9
15	All-Polymer Microcavities for the Fluorescence Radiative Rate Modification of a Diketopyrrolopyrrole Derivative. ACS Omega, 2022, 7, 15499-15506.	1.6	7
16	Synthetic Doping of Diamondoids through Skeletal Editing. Organic Letters, 2022, 24, 4845-4849.	2.4	7
17	London Dispersion Favors Sterically Hindered Diarylthiourea Conformers in Solution. Angewandte Chemie - International Edition, 2022, 61, .	7.2	16
18	Multifunctional Heteropentalenes: From Synthesis to Optoelectronic Applications. Jacs Au, 2022, 2, 1290-1305.	3.6	10

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19	The chemistry of 1,4-dihydropyrrolo[3,2-b]pyrroles. Advances in Heterocyclic Chemistry, 2022, , 335-409.	0.9	4
20	Machine Learning of Coupled Cluster (T)-Energy Corrections via Delta (Î”)-Learning. Journal of Chemical Theory and Computation, 2022, 18, 4846-4855.	2.3	11
21	Novel donor-acceptor systems bearing an isoxazol-5-one core. Arkivoc, 2021, 2021, 17-24.	0.3	1
22	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
23	Breaking the Symmetry of a Meso Compound by Isotopic Substitution: Synthesis and Stereochemical Assignment of Monodeuterated cis-Perhydroazulene. Organic Letters, 2021, 23, 113-117.	2.4	4
24	Intramolecular London Dispersion Interactions Do Not Cancel in Solution. Journal of the American Chemical Society, 2021, 143, 41-45.	6.6	53
25	Switchâ€On Diketopyrrolopyrroleâ€Based Chemosensors for Cations Possessing Lewis Acid Character. Chemistry - an Asian Journal, 2021, 16, 355-362.	1.7	2
26	Red emissive sulfone-rhodols as mitochondrial imaging agents. Chemical Communications, 2021, 57, 7782-7785.	2.2	8
27	Site-Selective Acylation of Pyranosides with Oligopeptide Catalysts. Journal of Organic Chemistry, 2021, 86, 3907-3922.	1.7	8
28	The German Chemical Society's perspective on international collaboration with China. National Science Review, 2021, 8, nwab017.	4.6	0
29	How does tautomerization affect the excited-state dynamics of an amino acid-derivatized corrole?. Photosynthesis Research, 2021, 148, 67-76.	1.6	5
30	Role of intramolecular hydrogen bonds in promoting electron flow through amino acid and oligopeptide conjugates. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	18
31	Do Docking Sites Persist Upon Fluorination? The Diadamantyl Etherâ€Aromatics Challenge for Rotational Spectroscopy and Theory. Chemistry - A European Journal, 2021, 27, 6198-6203.	1.7	10
32	Characterization of the Simplest Thiolimine: The Higher Energy Tautomer of Thioformamide. Chemistry - A European Journal, 2021, 27, 6732-6739.	1.7	10
33	Ethynylhydroxycarbene (Hâ€“Câ‰¡Câ€“C̈â€“OH). Journal of the American Chemical Society, 2021, 143, 3741-3746.	6.6	5
34	Control of Molecular Catalysts for Oxygen Reduction by Variation of pH and Functional Groups. ChemSusChem, 2021, 14, 1886-1892.	3.6	21
35	Diamantanethiols on Metal Surfaces: Spatial Configurations, Bond Dissociations, and Polymerization. Journal of Physical Chemistry Letters, 2021, 12, 3468-3475.	2.1	7
36	Polarized Helical Coumarins: [1,5] Sigmatropic Rearrangement and Excited-State Intramolecular Proton Transfer. Journal of Organic Chemistry, 2021, 86, 6148-6159.	1.7	10

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37	Dispersionâ€Bound Isolated Dimers in the Gas Phase: Observation of the Shortest Intermolecular CHâ‹…â‹…â‹…Hâ^'C Distance via Stimulated Raman Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 11305-11309.	7.2	13
38	London Dispersion Helps Refine Steric A-Values: The Halogens. Journal of Organic Chemistry, 2021, 86, 7701-7713.	1.7	14
39	Acylation of electrophilic bicyclo[1.1.0]butanes via Co/Ni-catalyzed reductive cross-coupling. Journal of Porphyrins and Phthalocyanines, 2021, 25, 630-638.	0.4	2
40	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
41	Switching on H-Tunneling through Conformational Control. Journal of the American Chemical Society, 2021, 143, 8266-8271.	6.6	14
42	RÃ¼cktitelbild: Bowlâ€Shaped Pentagonâ€•and Heptagonâ€Embedded Nanographene Containing a Central Pyrrolo[3,2â€‹i›b‹/i›]pyrrole Core (Angew. Chem. 27/2021). Angewandte Chemie, 2021, 133, 15240-15240.	1.6	0
43	Bowlâ€Shaped Pentagonâ€•and Heptagonâ€Embedded Nanographene Containing a Central Pyrrolo[3,2â€•b]pyrrole Core. Angewandte Chemie, 2021, 133, 15125-15132.	1.6	14
44	1,1,2â€Ethenetriol: The Enol of Glycolic Acid, a Highâ€Energy Prebiotic Molecule. Angewandte Chemie - International Edition, 2021, 60, 15313-15316.	7.2	9
45	The Synthesis and Photophysical Properties of Weakly Coupled Diketopyrrolopyrroles. Molecules, 2021, 26, 4744.	1.7	1
46	Hexaphenylditetrels â€“ When Longer Bonds Provide Higher Stability. Chemistry - A European Journal, 2021, 27, 13699-13702.	1.7	9
47	Aminohydroxymethylene (H2Nâ€“Cˆâ€“OH), the Simplest Aminooxycarbene. Journal of Physical Chemistry A, 2021, 125, 7023-7028.	1.1	7
48	Langmuirâ€“Blodgett Films of Diketopyrrolopyrroles with Tunable Amphiphilicity. Langmuir, 2021, 37, 10272-10278.	1.6	3
49	Quadrupolar Dyes Based on Highly Polarized Coumarins. Organic Letters, 2021, 23, 6770-6774.	2.4	10
50	Identification of a prismatic P3N3 molecule formed from electron irradiated phosphine-nitrogen ices. Nature Communications, 2021, 12, 5467.	5.8	9
51	X-ray spectroscopic identification of strain and structure-based resonances in a series of saturated carbon-cage molecules: Adamantane, twistane, octahedrane, and cubane. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	0.9	3
52	Formation of phosphine imide (HNî€PH‹sub›3‹/sub›) and its phosphinous amide (H‹sub›2‹/sub›Nâ€“PH‹sub›2‹/sub›) isomer. Chemical Communications, 2021, 57, 4958-4961.	2.2	6
53	Development of a universal conductive platform for anchoring photo- and electroactive proteins using organometallic terpyridine molecular wires. Nanoscale, 2021, 13, 9773-9787.	2.8	7
54	Potent strategy towards strongly emissive nitroaromatics through a weakly electron-deficient core. Chemical Science, 2021, 12, 14039-14049.	3.7	19

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55	Amine-Functionalized Nanoporous Silica Monoliths for Heterogeneous Catalysis of the Knoevenagel Condensation in Flow. ACS Omega, 2021, 6, 425-437.	1.6	12
56	London Dispersion Helps Refine Steric A-Values: Dispersion Energy Donor Scales. Journal of the American Chemical Society, 2021, 143, 20837-20848.	6.6	35
57	Going beyond the borders: pyrrolo[3,2-b]pyrroles with deep red emission. Chemical Science, 2021, 12, 15935-15946.	3.7	21
58	From Dipyrrolonaphthyridinediones to Quinazolinoindolizinoindolizinoquinazolines. Journal of Organic Chemistry, 2020, 85, 284-290.	1.7	3
59	Extending a porphyrin chromophore via fusion with naphthalene. Journal of Porphyrins and Phthalocyanines, 2020, 24, 448-455.	0.4	4
60	Synthetic Applications of Oxidative Aromatic Couplingâ€"From Biphenols to Nanographenes. Angewandte Chemie - International Edition, 2020, 59, 2998-3027.	7.2	224
61	Syntheseanwendungen der oxidativen aromatischen Kupplung â€“ von Biphenolen zu Nanographenen. Angewandte Chemie, 2020, 132, 3020-3050.	1.6	74
62	Tris(pentafluorophenyl)boraneâ€pyrrolo[3,2â€b]pyrrole Hybrids: Solidâ€State Structure and Crystallizationâ€Induced Enhanced Emission. ChemPhotoChem, 2020, 4, 138-143.	1.5	6
63	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
64	In Situ Switching of Site-Selectivity with Light in the Acetylation of Sugars with Azopeptide Catalysts. Journal of Organic Chemistry, 2020, 85, 1835-1846.	1.7	16
65	1,1â€Ethenediol: The Long Elusive Enol of Acetic Acid. Angewandte Chemie - International Edition, 2020, 59, 5577-5580.	7.2	20
66	Access to Corrole-Appended Persubstituted Benzofurans by a Multicomponent Reaction: The Dual Role of p-Chloranil. Organic Letters, 2020, 22, 8139-8143.	2.4	4
67	Catalytic enantiocontrol over a non-classical carbocation. Nature Chemistry, 2020, 12, 1174-1179.	6.6	42
68	How To Make Nitroaromatic Compounds Glow: Nextâ€Generation Large Xâ€Shaped, Centrosymmetric Diketopyrrolopyrroles. Angewandte Chemie, 2020, 132, 16238-16247.	1.6	5
69	The elusive cyclotriphosphazene molecule and its Dewar benzeneâ€"type valence isomer (P ₃) Tj ETQq1 1 0.784314 rgB	4.7	22
70	Chemical Probes for Blocking of Influenza A M2 Wild-type and S31N Channels. ACS Chemical Biology, 2020, 15, 2331-2337.	1.6	18
71	Synthesis and antiproliferative activity of hindered, chiral 1,2-diaminodiamantane platinum(<scp>ii</scp>) complexes. Dalton Transactions, 2020, 49, 14009-14016.	1.6	10
72	Spectroscopic identification of the â€¢SSNO isomers. Journal of Chemical Physics, 2020, 153, 094303.	1.2	3

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73	Method for the Large-Scale Synthesis of Multifunctional 1,4-Dihydro-pyrrolo[3,2-b]pyrroles. Journal of Organic Chemistry, 2020, 85, 13529-13543.	1.7	33
74	Deciphering the unusual fluorescence in weakly coupled bis-nitro-pyrrolo[3,2-b]pyrroles. Communications Chemistry, 2020, 3, .	2.0	37
75	Identification and Reactivity of s-cis,s-cis-Dihydroxycarbene, a New [CH₂O₂] Intermediate. Journal of the American Chemical Society, 2020, 142, 19457-19461.	6.6	5
76	London Dispersion and Hydrogenâ€Bonding Interactions in Bulky Molecules: The Case of Diadamantyl Ether Complexes. Chemistry - A European Journal, 2020, 26, 10817-10825.	1.7	17
77	Change of Quadrupole Moment upon Excitation and Symmetry Breaking in Multibranched Donorâ€Acceptor Dyes. ChemPhysChem, 2020, 21, 1718-1730.	1.0	23
78	Direct Exploitation of the Ethynyl Moiety in Calcium Carbide Through Sealed Ball Milling. European Journal of Organic Chemistry, 2020, 2020, 4339-4346.	1.2	13
79	How To Make Nitroaromatic Compounds Glow: Nextâ€Generation Large Xâ€Shaped, Centrosymmetric Diketopyrrolopyrroles. Angewandte Chemie - International Edition, 2020, 59, 16104-16113.	7.2	30
80	Determination of the Absolute Configurations of Chiral Alkanes â€“ An Analysis of the Available Tools. European Journal of Organic Chemistry, 2020, 2020, 6328-6339.	1.2	15
81	Nâ€Arylation of Diketopyrrolopyrroles with Aryl Triflates. Chemistry - an Asian Journal, 2020, 15, 1369-1375.	1.7	12
82	Photochemistry of HNSO₂ in cryogenic matrices: spectroscopic identification of the intermediates and mechanism. Physical Chemistry Chemical Physics, 2020, 22, 7975-7983.	1.3	6
83	Highly Polarized Coumarin Derivatives Revisited: Solventâ€Controlled Competition Between Protonâ€Coupled Electron Transfer and Twisted Intramolecular Charge Transfer. Chemistry - A European Journal, 2020, 26, 7281-7291.	1.7	11
84	From Scientists to Scientistsâ€”Moving Angewandte into the Future. Angewandte Chemie - International Edition, 2020, 59, 12548-12549.	7.2	15
85	Groundâ€and Excitedâ€State Symmetry Breaking and Solvatofluorochromism in Centrosymmetric Pyrrolo[3,2â€b]pyrroles Possessing two Nitro Groups. ChemPhotoChem, 2020, 4, 508-519.	1.5	20
86	An Efficient Method for the Programmed Synthesis of Multifunctional Diketopyrrolopyrroles. Angewandte Chemie, 2020, 132, 7598-7605.	1.6	3
87	Capture and Reactivity of an Elusive Carbonâ€“Sulfur Centered Biradical. Journal of Physical Chemistry A, 2020, 124, 2014-2018.	1.1	3
88	Synthesis and Conformational Analysis of Parent Perhydroazulenes Reveal an Energetically Preferred cis Ring Fusion. Journal of Organic Chemistry, 2020, 85, 4441-4447.	1.7	9
89	Incorporating Diamondoids as Electrolyte Additive in the Sodium Metal Anode to Mitigate Dendrite Growth. ChemSusChem, 2020, 13, 2661-2670.	3.6	30
90	TEMPO-functionalized mesoporous silica particles as heterogeneous oxidation catalysts in flow. Journal of Materials Chemistry A, 2020, 8, 4107-4117.	5.2	27

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91	Interplay of Aromaticity and Antiaromaticity in N-Doped Nanographenes. Journal of Physical Chemistry A, 2020, 124, 695-703.	1.1	17
92	How an Eight-Membered Ring Alters the Rhodamine Chromophore. Journal of Organic Chemistry, 2020, 85, 5973-5980.	1.7	0
93	Absolute Configuration of trans-Perhydroazulene. Organic Letters, 2020, 22, 3895-3899.	2.4	7
94	Visible light communication with efficient far-red/near-infrared polymer light-emitting diodes. Light: Science and Applications, 2020, 9, 70.	7.7	97
95	Photostable orange-red fluorescent unsymmetrical diketopyrrolopyrroleâ€“BF₂ hybrids. Journal of Materials Chemistry C, 2020, 8, 7708-7717.	2.7	14
96	Isolation and Characterization of the Free Phenylphosphinidene Chalcogenides C₆H₅P=O and C₆H₅P=S, the Phosphorous Analogues of Nitrosobenzene and Thionitrosobenzene. Angewandte Chemie - International Edition, 2020, 59, 12445-12449.	7.2	16
97	A siliconâ€“carbonyl complex stable at room temperature. Nature Chemistry, 2020, 12, 608-614.	6.6	85
98	An Efficient Method for the Programmed Synthesis of Multifunctional Diketopyrrolopyrroles. Angewandte Chemie - International Edition, 2020, 59, 7528-7535.	7.2	17
99	Direct Observation of Different One- and Two-Photon Fluorescent States in a Pyrrolo[3,2-b]pyrrole Fluorophore. Journal of Physical Chemistry Letters, 2020, 11, 4866-4872.	2.1	6
100	Preparation and Characterization of Phenyl Phosphine Diselenide â€“ The Monomeric Form of Woollins' Reagent. European Journal of Organic Chemistry, 2019, 2019, 387-390.	1.2	8
101	Building Molecular Complexity from Quinizarin: Conjoined Coumarins and Coronene Analogs. Chemistry - an Asian Journal, 2019, 14, 1763-1770.	1.7	18
102	Competitive Nitrogen versus Carbon Tunneling. Journal of the American Chemical Society, 2019, 141, 14340-14348.	6.6	43
103	Excitedâ€State Symmetry Breaking in an Azaâ€Nanographene Dye. Chemistry - A European Journal, 2019, 25, 13930-13938.	1.7	15
104	Modified Isoindolediones as Bright Fluorescent Probes for Cell and Tissue Imaging. Chemistry - A European Journal, 2019, 25, 13354-13362.	1.7	9
105	Fe(<scp>iii</scp>)-Catalyzed synthesis of pyrrolo[3,2-b]pyrroles: formation of new dyes and photophysical studies. Organic Chemistry Frontiers, 2019, 6, 2939-2948.	2.3	22
106	Structural and Physical Parameters Controlling the Oxygen Reduction Reaction Selectivity with Carboxylic Acid-Substituted Cobalt Corroles Incorporated in a Porous Carbon Support. Journal of Physical Chemistry C, 2019, 123, 26351-26357.	1.5	23
107	The Interplay between Solvation and Stacking of Aromatic Rings Governs Bright and Dark Sites of Benzo[g]coumarins. Chemistry - A European Journal, 2019, 25, 15305-15314.	1.7	6
108	Organic Reaction Mechanisms. European Journal of Organic Chemistry, 2019, 2019, 232-232.	1.2	5

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109	Structures and Dynamics in Thiolated Diamantane Derivative Monolayers. Journal of Physical Chemistry C, 2019, 123, 27477-27482.	1.5	5
110	Syn-Dihydroxylation of Alkenes Using a Sterically Demanding Cyclic Diacyl Peroxide. Journal of Organic Chemistry, 2019, 84, 12377-12386.	1.7	17
111	Conformer-specific [1,2]H-tunnelling in captodatively-stabilized cyanohydroxycarbene (NCâ€“CÌˆâ€“OH). Chemical Science, 2019, 10, 802-808.	3.7	16
112	Diamondoid Amino Acidâ€Based Peptide Kinaseâ€...A Inhibitor Analogues. ChemMedChem, 2019, 14, 663-672.	1.6	7
113	Electronic Communication in Pyrrolo[3,2â€b]pyrroles Possessing Sterically Hindered Aromatic Substituents. European Journal of Organic Chemistry, 2019, 2019, 5247-5253.	1.2	12
114	Saltâ€“cocrystal continuum for photofunction modulation: stimuli-responsive fluorescence color-tuning of pyridine-modified intramolecular charge-transfer dyes and acid complexes. Journal of Materials Chemistry C, 2019, 7, 8847-8854.	2.7	32
115	Generation and Spectroscopic Identification of the Thiuram Radical (CH₃)₂NCS₂. Journal of Physical Chemistry A, 2019, 123, 4937-4941.	1.1	3
116	EurJOC â€“ 50 Years of Rotaxanes. European Journal of Organic Chemistry, 2019, 2019, 3287-3288.	1.2	5
117	Diamondoid Nanostructures as sp³â€Carbonâ€Based Gas Sensors. Angewandte Chemie - International Edition, 2019, 58, 9933-9938.	7.2	20
118	Is it common for charge recombination to be faster than charge separation?. International Journal of Chemical Kinetics, 2019, 51, 657-668.	1.0	6
119	Synthesis of Exclusively 4-Substituted Î²-Lactams through the Kinugasa Reaction Utilizing Calcium Carbide. Organic Letters, 2019, 21, 3746-3749.	2.4	55
120	Covalently Linked Bis(Amidoâ€Corroles): Interâ€•and Intramolecular Hydrogenâ€Bondâ€Driven Supramolecular Assembly. Chemistry - A European Journal, 2019, 25, 9658-9664.	1.7	9
121	Formation of Glyoxylic Acid in Interstellar Ices: A Key Entry Point for Prebiotic Chemistry. Angewandte Chemie - International Edition, 2019, 58, 5663-5667.	7.2	29
122	Role of London Dispersion Interactions in Ga-Substituted Dipnictenes. Organometallics, 2019, 38, 1640-1647.	1.1	32
123	Synthesis and selected transformations of 2-unsubstituted 1-(adamantyloxy)imidazole 3-oxides: straightforward access to non-symmetric 1,3-dialkoxyimidazolium salts. Beilstein Journal of Organic Chemistry, 2019, 15, 497-505.	1.3	10
124	Highly efficient chirality inducers in nematic liquid crystals: synthesis of 7,7â€™-disubstituted 2,2â€™-methylenedioxy-1,1â€™-binaphthyls. Liquid Crystals, 2019, 46, 1763-1768.	0.9	6
125	The synthesis and photophysical properties of tris-coumarins. Physical Chemistry Chemical Physics, 2019, 21, 8314-8325.	1.3	7
126	Syntheses, Structures, and Bonding Analyses of Carbeneâ€Stabilized Stibinidenes. European Journal of Inorganic Chemistry, 2019, 2019, 1669-1678.	1.0	36

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127	Site-selective nitrenoid insertions utilizing postfunctionalized bifunctional rhodium(<scp>ii</scp>) catalysts. Chemical Science, 2019, 10, 3324-3329.	3.7	26
128	Caged Nitric Oxideâ€“Thiyl Radical Pairs. Journal of the American Chemical Society, 2019, 141, 3361-3365.	6.6	16
129	Spectroscopic identification of the phenyltelluryl radical and its reactivity toward molecular oxygen. Physical Chemistry Chemical Physics, 2019, 21, 25797-25801.	1.3	4
130	Rhodols â€“ synthesis, photophysical properties and applications as fluorescent probes. Chemical Society Reviews, 2019, 48, 5242-5265.	18.7	89
131	2-Unsubstituted Imidazole N-Oxides as Novel Precursors of Chiral 3-Alkoxyimidazol-2-ylidenes Derived from trans-1,2-Diaminocyclohexane and Other Chiral Amino Compounds. Molecules, 2019, 24, 4398.	1.7	9
132	Diamantane Suspended Single Copper Atoms. Journal of the American Chemical Society, 2019, 141, 315-322.	6.6	14
133	Azido-Adamantyl Tin Sulfide Clusters for Bioconjugation. Organometallics, 2019, 38, 329-335.	1.1	14
134	Control of Excitedâ€State Conformations in B,Nâ€Acenes. Angewandte Chemie - International Edition, 2019, 58, 4259-4263.	7.2	7
135	TUNNEX: An easyâ€toâ€use wentzelâ€kramersâ€brillouin (WKB) implementation to compute tunneling halfâ€lives. Journal of Computational Chemistry, 2019, 40, 543-547.	1.5	5
136	Selective Phthalimido-N-oxyl (PINO)-Catalyzed Câ€“H Cyanation of Adamantane Derivatives. Synlett, 2019, 30, 493-498.	1.0	8
137	Synthesis of Bis(arylethynyl)pyrrolo[3,2â€b]pyrroles and Effect of Intramolecular Charge Transfer on Their Photophysical Behavior. Chemistry - A European Journal, 2019, 25, 598-608.	1.7	20
138	High-speed two-photon polymerization 3D printing with a microchip laser at its fundamental wavelength. Optics Express, 2019, 27, 25119.	1.7	34
139	Sterically controlled mechanochemistry under hydrostatic pressure. Nature, 2018, 554, 505-510.	13.7	71
140	Unforeseen 1,2-Aryl Shift in Tetraarylpyrrolo[3,2-b]pyrroles Triggered by Oxidative Aromatic Coupling. Organic Letters, 2018, 20, 1517-1520.	2.4	42
141	Atmospherically Relevant Radicals Derived from the Oxidation of Dimethyl Sulfide. Accounts of Chemical Research, 2018, 51, 475-483.	7.6	40
142	Synthesis and Photophysical Properties of Nâ€Arylated Diketopyrrolopyrroles. European Journal of Organic Chemistry, 2018, 2018, 6643-6648.	1.2	9
143	Monochromatic Photocathodes from Graphene-Stabilized Diamondoids. Nano Letters, 2018, 18, 1099-1103.	4.5	8
144	Bidirectional Solvatofluorochromism of a Pyrrolo[3,2-b]pyrroleâ€“Diketopyrrolopyrrole Hybrid. Journal of Physical Chemistry C, 2018, 122, 13424-13434.	1.5	23

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145	Dibenzothienopyrrolo[3,2â€b]pyrrole: The Missing Member of the Thienoacene Family. Chemistry - an Asian Journal, 2018, 13, 449-456.	1.7	12
146	Heavy Atom Secondary Kinetic Isotope Effect on H-Tunneling. Journal of Physical Chemistry A, 2018, 122, 1488-1495.	1.1	17
147	On-surface synthesis of a nitrogen-embedded buckybowl with inverse Stoneâ€“Throwerâ€“Wales topology. Nature Communications, 2018, 9, 1714.	5.8	98
148	Intricate Conformational Tunneling in Carbonic Acid Monomethyl Ester. Journal of Physical Chemistry Letters, 2018, 9, 1663-1667.	2.1	11
149	The Trifluoromethyl Sulfinyl and Oxathiyl Radicals. Chemistry - A European Journal, 2018, 24, 1505-1508.	1.7	15
150	Direct Arylation of Dipyrrolonaphthyridinediones Leads to Redâ€Emitting Dyes with Conformational Freedom. Chemistry - A European Journal, 2018, 24, 855-864.	1.7	12
151	Oneâ€Photon and Twoâ€Photon Mitochondrial Fluorescent Probes Based on a Rhodol Chromophore. Asian Journal of Organic Chemistry, 2018, 7, 411-415.	1.3	5
152	Computational Chemistry: The Fate of Current Methods and Future Challenges. Angewandte Chemie - International Edition, 2018, 57, 4170-4176.	7.2	138
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