Michael Pittelkow

List of Publications by Year
in descending order

88	2,983	145106	206121
papers	citations	33 h-index	51 g-index

105	105	105	3825
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Odd-Number Cyclo[n]Carbons Sustaining Alternating Aromaticity. Journal of Physical Chemistry A, 2022, 126, 2445-2452.	1.1	7
2	Triggering Gâ€Quadruplex Conformation Switching with [7]Helicenes. Chemistry - A European Journal, 2021, 27, 6064-6069.	1.7	7
3	Azoâ€hydrazone molecular switches: Synthesis and NMR conformational investigation. Magnetic Resonance in Chemistry, 2021, 59, 1116-1125.	1.1	5
4	Cu-Catalyzed Arylation of Bromo-Difluoro-Acetamides by Aryl Boronic Acids, Aryl Trialkoxysilanes and Dimethyl-Aryl-Sulfonium Salts: New Entries to Aromatic Amides. Molecules, 2021, 26, 2957.	1.7	5
5	The Sulfolene Protecting Group: Observation of a Direct Photoinitiated Cheletropic Ring Opening. ChemPhotoChem, 2021, 5, 863-870.	1.5	1
6	Dianthracenylazatrioxa[8]circulene: Synthesis, Characterization and Application in OLEDs. Chemistry - A European Journal, 2021, 27, 11609-11617.	1.7	7
7	Mechanochemical Transformation of CF₃ Group: Synthesis of Amides and Schiff Bases. Advanced Synthesis and Catalysis, 2021, 363, 5448-5460.	2.1	16
8	7-OH quinoline Schiff bases: are they the long awaited tautomeric bistable switches?. Dyes and Pigments, 2021, 195, 109739.	2.0	22
9	Chirality Amplified: Long, Discrete Helicene Nanoribbons. Journal of the American Chemical Society, 2021, 143, 983-991.	6.6	85
10	A Fully Conjugated Planar Heterocyclic [9]Circulene. Journal of the American Chemical Society, 2020, 142, 14058-14063.	6.6	28
11	Compressing a Nonâ€Planar Aromatic Heterocyclic [7]Helicene to a Planar Hetero[8]Circulene. Chemistry - A European Journal, 2020, 26, 4935-4940.	1.7	28
12	Antiâ€Aromatic versus Induced Paratropicity: Synthesis and Interrogation of a Dihydroâ€diazatrioxa[9]circulene with a Proton Placed Directly above the Central Ring. Angewandte Chemie - International Edition, 2020, 59, 5144-5150.	7.2	17
13	Antiâ€Aromatic versus Induced Paratropicity: Synthesis and Interrogation of a Dihydroâ€diazatrioxa[9]circulene with a Proton Placed Directly above the Central Ring. Angewandte Chemie, 2020, 132, 5182-5188.	1.6	8
14	Visualizing 3D Molecular Structures Using an Augmented Reality App. Journal of Chemical Education, 2020, 97, 1487-1490.	1.1	47
15	Thermal stabilisation of squaraine dyes by encapsulation in a rotaxane. New Journal of Chemistry, 2020, 44, 20930-20934.	1.4	5
16	Symmetric, Unsymmetrical, and Asymmetric [7]â€, [10]â€, and [13]Helicenes. Angewandte Chemie, 2019, 131, 18590-18594.	1.6	18
17	Symmetric, Unsymmetrical, and Asymmetric [7]â€, [10]â€, and [13]Helicenes. Angewandte Chemie - International Edition, 2019, 58, 18419-18423.	7.2	39
18	Entropy/Enthalpy Compensation in Anion Binding: Biotin[6]uril and Biotin-<scp>l</scp>-sulfoxide[6]uril Reveal Strong Solvent Dependency. Journal of Organic Chemistry, 2019, 84, 2577-2584.	1.7	23

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19	An antiaromatic-walled nanospace. Nature, 2019, 574, 511-515.	13.7	122
20	Solvent-dependent dual fluorescence of the pushâ€“pull system 2-diethylamino-7-nitrofluorene. Physical Chemistry Chemical Physics, 2018, 20, 5942-5951.	1.3	11
21	A gold-nanoparticle stoppered [2]rotaxane. Nanoscale, 2018, 10, 9133-9140.	2.8	9
22	A concept for stimulated proton transfer in 1-(phenyldiazenyl)naphthalen-2-ols. Dyes and Pigments, 2018, 156, 91-99.	2.0	13
23	Hemicucurbit[n]urils and Their Derivatives â€“ Synthesis and Applications. Israel Journal of Chemistry, 2018, 58, 435-448.	1.0	26
24	Laser welding of polymers using unsymmetrical squaraine dyes. Journal of Polymer Science Part A, 2018, 56, 2245-2254.	2.5	7
25	Inverting the Selectivity of the Newmanâ€“Kwart Rearrangement via One Electron Oxidation at Room Temperature. Journal of Organic Chemistry, 2018, 83, 12000-12006.	1.7	24
26	Heavy-Atom-Substituted Nucleobases in Photodynamic Applications: Substitution of Sulfur with Selenium in 6-Thioguanine Induces a Remarkable Increase in the Rate of Triplet Decay in 6-Selenoguanine. Journal of the American Chemical Society, 2018, 140, 11214-11218.	6.6	48
27	Benzylic Thio and Seleno Newmanâ€“Kwart Rearrangements. Journal of Organic Chemistry, 2018, 83, 10786-10797.	1.7	9
28	Croconamides: a new dual hydrogen bond donating motif for anion recognition and organocatalysis. Organic and Biomolecular Chemistry, 2017, 15, 2784-2790.	1.5	23
29	New WOLEDs based on Ï€-extended azatrioxa[8]circulenes. Journal of Materials Chemistry C, 2017, 5, 4123-4128.	2.7	28
30	Thiosemicarbazone organocatalysis: tetrahydropyranylation and 2-deoxygalactosylation reactions and kinetics-based mechanistic investigation. Chemical Science, 2017, 8, 7978-7982.	3.7	10
31	Molecular Switching in Confined Spaces: Effects of Encapsulating the DHA/VHF Photoâ€Switch in Cucurbiturils. Chemistry - A European Journal, 2017, 23, 17010-17016.	1.7	23
32	Thiosemicarbazone Dynamic Combinatorial Chemistry: Equilibrator-Induced Dynamic State, Formation of Complex Libraries, and a Supramolecular On/Off Switch. Journal of Organic Chemistry, 2017, 82, 8580-8589.	1.7	5
33	Synthetic Receptors for the Highâ€Affinity Recognition of Oâ€GlcNAc Derivatives. Angewandte Chemie - International Edition, 2016, 55, 3387-3392.	7.2	86
34	Synthetic Receptors for the Highâ€Affinity Recognition of Oâ€GlcNAc Derivatives. Angewandte Chemie, 2016, 128, 3448-3453.	1.6	36
35	Benzoannelated aza-, oxa- and azaoxa[8]circulenes as promising blue organic emitters. Physical Chemistry Chemical Physics, 2016, 18, 28040-28051.	1.3	54
36	Synthesis of Heterocyclic [8]Circulenes and Related Structures. Synlett, 2016, 27, 498-525.	1.0	56

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37	Simultaneous Disulfide and Boronic Acid Ester Exchange in Dynamic Combinatorial Libraries. International Journal of Molecular Sciences, 2015, 16, 21858-21872.	1.8	21
38	Synthesis and properties of chiral internally branched PAMAM-dendrimers. Tetrahedron, 2015, 71, 1109-1116.	1.0	10
39	New Organocatalyst Scaffolds with High Activity in Promoting Hydrazone and Oxime Formation at Neutral pH. Organic Letters, 2015, 17, 274-277.	2.4	83
40	Synthesis and properties of unsymmetrical azatrioxa[8]circulenes. Organic and Biomolecular Chemistry, 2015, 13, 5937-5943.	1.5	38
41	⁷⁷Se NMR Spectroscopy As a Sensitive Probe for Hammett Ïƒ Constants. Journal of Organic Chemistry, 2015, 80, 3852-3857.	1.7	13
42	Biotin[6]uril Esters: Chloride-Selective Transmembrane Anion Carriers Employing Câ€”HÂ·Â·Â·Anion Interactions. Journal of the American Chemical Society, 2015, 137, 4948-4951.	6.6	128
43	Anion binding by biotin[6]uril in water. Organic and Biomolecular Chemistry, 2015, 13, 369-373.	1.5	76
44	PROFILE: Early Excellence in Physical Organic Chemistry. Journal of Physical Organic Chemistry, 2014, 27, 707-707.	0.9	0
45	Dynamic combinatorial chemistry with diselenides and disulfides in water. Chemical Communications, 2014, 50, 3716-3718.	2.2	56
46	Discovery of a cyclic 6 + 6 hexamer of <scp>d</scp>-biotin and formaldehyde. Chemical Science, 2014, 5, 2647-2650.	3.7	97
47	Chemical Signals Turn On Guest Binding through Structural Reconfiguration of Triangular Helicates. Angewandte Chemie - International Edition, 2013, 52, 11273-11277.	7.2	44
48	Raman spectra of alkyl-substituted azaoxa[8]circulenes: DFT calculation and experiment. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2013, 114, 509-521.	0.2	10
49	Conversion of Phenols into Selenophenols: Seleno Newmanâ€“Kwart Rearrangement. Angewandte Chemie - International Edition, 2013, 52, 12346-12349.	7.2	22
50	The photoinduced transformation of fluorescent DNA base analogue tC triggers DNA melting. Photochemical and Photobiological Sciences, 2013, 12, 1416.	1.6	2
51	Nucleus-independent chemical shift criterion for aromaticity in Ï€-extended tetraoxa[8]circulenes. Journal of Molecular Modeling, 2013, 19, 847-850.	0.8	50
52	Diazadioxa[8]circulenes: Planar Antiaromatic Cyclooctatetraenes. Chemistry - A European Journal, 2013, 19, 17097-17102.	1.7	80
53	Azatrioxa[8]circulenes: Planar Antiâ€Aromatic Cyclooctatetraenes. Chemistry - A European Journal, 2013, 19, 3898-3904.	1.7	78
54	The FTIR spectra of substituted tetraoxa[8]circulenes and their assignments based on DFT calculations. Vibrational Spectroscopy, 2013, 65, 147-158.	1.2	26

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55	Note: A variable temperature cell for spectroscopy of thin films. Review of Scientific Instruments, 2013, 84, 046106.	0.6	2
56	Pulling the Levers of Photophysics: How Structure Controls the Rate of Energy Dissipation. Angewandte Chemie - International Edition, 2013, 52, 2247-2250.	7.2	19
57	Simple Procedures for the Preparation of 1,3,5-Substituted 2,4,6-Trimethoxybenzenes. Synlett, 2013, 24, 2437-2442.	1.0	3
58	RÃ¼cktitelbild: Pulling the Levers of Photophysics: How Structure Controls the Rate of Energy Dissipation (Angew. Chem. 8/2013). Angewandte Chemie, 2013, 125, 2432-2432.	1.6	0
59	Raman spectra of tetraoxa[8]circulenes. p-dinaphthalenodiphenylenotetrafuran and its tetraalkyl derivatives (DFT study and experiment). Journal of Applied Spectroscopy, 2012, 79, 695-707.	0.3	11
60	DFT and QTAIM study of the tetra-tert-butyltetraoxa[8]circulene regioisomers structure. Journal of Molecular Structure, 2012, 1026, 127-132.	1.8	35
61	A peri-Cyclised Naphthalene Dimer: Synthesis and Properties of an Unusual Vilsmeier-Haack Product of 1,3,6,8-Tetramethoxynaphthalene. European Journal of Organic Chemistry, 2012, 2012, 4931-4936.	1.2	1
62	Experimental and theoretical study of IR and Raman spectra of tetraoxa[8]circulenes. Vibrational Spectroscopy, 2012, 61, 156-166.	1.2	51
63	Metallocorrole Dendrimers: Sensitive Corroleâ€“Chromium(V)â€“Nitride Spin Probes for Studying the Solution Structure of Dendrimers. Inorganic Chemistry, 2011, 50, 5867-5869.	1.9	12
64	From static to dynamic: escaping kinetic traps in hydrazone-based dynamic combinatorial libraries. Chemical Communications, 2011, 47, 7359.	2.2	38
65	Tetraâ€‹tertâ€‹butyltetraoxa[8]circulene and Its Unusual Aggregation Behaviour. European Journal of Organic Chemistry, 2011, 2011, 6320-6325.	1.2	53
66	Organic Lightâ€Emitting Diodes from Symmetrical and Unsymmetrical ï€â€Extended Tetraoxa[8]circulenes. Chemistry - A European Journal, 2010, 16, 13030-13034.	1.7	99
67	Dynamic combinatorial chemistry with hydrazones: libraries incorporating heterocyclic and steroidal motifs. Organic and Biomolecular Chemistry, 2010, 8, 1181.	1.5	36
68	Dynamic combinatorial chemistry with hydrazones: cholate-based building blocks and libraries. Organic and Biomolecular Chemistry, 2010, 8, 1173.	1.5	22
69	Molecular recognition: minimizing the acidâ€“base interaction of a tunable hostâ€“guest system changes the selectivity of binding. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2009, 63, 257-266.	1.6	3
70	Two-phase dynamic combinatorial discovery of a spermine transporter. Chemical Communications, 2009, , 3708.	2.2	42
71	A new efficient synthesis of isothiocyanates from amines using di-tert-butyl dicarbonate. Tetrahedron Letters, 2008, 49, 3117-3119.	0.7	132
72	Phase-transfer dynamic combinatorial chemistry. Chemical Communications, 2008, , 1738.	2.2	31

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73	Chiral dendrimer encapsulated Pd and Rh nanoparticles. Chemical Communications, 2008, , 2358.	2.2	25
74	Carbocations in Action. Design, Synthesis, and Evaluation of a Highly Acid-Sensitive Naphthalene-Based Backbone Amide Linker for Solid-Phase Synthesis. Organic Letters, 2006, 8, 5817-5820.	2.4	14
75	Synthesis, Structure, and Properties of 4,7-Dimethoxybenzo[c]tellurophene: A Molecular Pyroelectric Material. Angewandte Chemie - International Edition, 2006, 45, 5666-5670.	7.2	10
76	Synthesis and Properties of 2,3-Dialkynyl-1,4-benzoquinones. European Journal of Organic Chemistry, 2006, 2006, 2786-2794.	1.2	29
77	Molecular Recognition: Comparative Study of a Tunable Host-Guest System by Using a Fluorescent Model System and Collision-Induced Dissociation Mass Spectrometry on Dendrimers. Chemistry - A European Journal, 2005, 11, 5126-5135.	1.7	25
78	2,5-Dimethoxybenzene-1,4-dicarbaldehyde. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o473-o474.	0.2	3
79	2-(4-Bromophenyl)-1-methyl-1H-phenanthro[9,10-d]imidazole. Acta Crystallographica Section E: Structure Reports Online, 2005, 61, o955-o956.	0.2	1
80	Role of the peri-effect in synthesis and reactivity of highly substituted naphthaldehydes: a novel backbone amide linker for solid-phase synthesis. Organic and Biomolecular Chemistry, 2005, 3, 508.	1.5	18
81	Convergent Synthesis of Internally Branched PAMAM Dendrimers. Organic Letters, 2005, 7, 1295-1298.	2.4	46
82	Substituent effects on the stability of extended benzylic carbocations: a computational study of conjugation. Organic and Biomolecular Chemistry, 2005, 3, 2441.	1.5	16
83	Synthesis and Characterization of Water-Soluble Phenyleneâ^'Vinylene-Based Singlet Oxygen Sensitizers for Two-Photon Excitation. Journal of Organic Chemistry, 2005, 70, 7065-7079.	1.7	87
84	Guest-host chemistry with dendrimers: Stable polymer assemblies by rational design. Journal of Polymer Science Part A, 2004, 42, 3792-3799.	2.5	39
85	Multivalency in the Gas Phase: The Study of Dendritic Aggregates by Mass Spectrometry. Angewandte Chemie - International Edition, 2004, 43, 3557-3562.	7.2	58
86	Cover Picture: Multivalency in the Gas Phase: The Study of Dendritic Aggregates by Mass Spectrometry (Angew. Chem. Int. Ed. 27/2004). Angewandte Chemie - International Edition, 2004, 43, 3497-3497.	7.2	0
87	Poly(amidoamine)-Dendrimer-Stabilized Pd(0) Nanoparticles as a Catalyst for the Suzuki Reaction. Langmuir, 2003, 19, 7682-7684.	1.6	156
88	Selective Synthesis of Carbamate Protected Polyamines Using Alkyl Phenyl Carbonates. Synthesis, 2002, 2002, 2195-2202.	1.2	10