

Milan Kivala

List of Publications by Year in descending order

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80
papers

3,431
citations

196777

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docs citations

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times ranked

4637
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible structural rearrangement of π -expanded cyclooctatetraene upon two-fold reduction with alkali metals. <i>Chemical Communications</i> , 2022, 58, 3206-3209.	2.2	9
2	Fully Bridged Triphenylamines Comprising Five- and Seven-Membered Rings. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	11
3	Inducing Curvature to Pyracylene upon π -Expansion. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	8
4	Pre-Planarized Triphenylamine-Based Linear Mixed-Valence Charge-Transfer Systems. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6771-6777.	7.2	11
5	Vorplanarisierte Triphenylamin-basierte lineare gemischtvalente Ladungstransfersysteme. <i>Angewandte Chemie</i> , 2021, 133, 6845-6851.	1.6	1
6	Reduction of π -Expanded Cyclooctatetraene with Lithium: Stabilization of the Tetra-Anion through Internal Li + Coordination. <i>Angewandte Chemie</i> , 2021, 133, 3552-3556.	1.6	10
7	Reduction of π -Expanded Cyclooctatetraene with Lithium: Stabilization of the Tetra-Anion through Internal Li ⁺ Coordination. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3510-3514.	7.2	17
8	Tailored Solution-Based N-Heterotriangulene Thin Films: Unravelling the Self-Assembly. <i>ChemPhysChem</i> , 2021, 22, 1079-1087.	1.0	1
9	A Chiral Molecular Cage Comprising Diethynylallenes and π -Heterotriangulenes for Enantioselective Recognition. <i>Chemistry - A European Journal</i> , 2021, 27, 13352-13357.	1.7	8
10	On-surface synthesis of π -conjugated ladder-type polymers comprising nonbenzenoid moieties. <i>RSC Advances</i> , 2021, 11, 23437-23441.	1.7	5
11	Host guest chemistry and supramolecular doping in triphenylamine-based covalent frameworks on Au(111). <i>Nanoscale</i> , 2021, 13, 9798-9807.	2.8	5
12	5,7,12,14-Tetrafunctionalized 6,13-Diazapentacenes. <i>Chemistry - A European Journal</i> , 2020, 26, 799-803.	1.7	8
13	Bridged triarylboranes, silanes, amines, and phosphines as minimalistic heteroatom-containing polycyclic aromatic hydrocarbons: Progress and challenges. <i>Journal of Physical Organic Chemistry</i> , 2020, 33, e4022.	0.9	34
14	Isomeric Dithienophosphepines: The Impact of Ring Fusion on Electronic and Structural Properties. <i>Chemistry - A European Journal</i> , 2020, 26, 3474-3478.	1.7	19
15	5,7,12,14-Tetraphenyl-Substituted 6,13-Diazapentacenes as Versatile Organic Semiconductors: Characterization in Field Effect Transistors. <i>Organic Materials</i> , 2020, 02, 204-213.	1.0	4
16	Metalated Graphyne-Based Networks as Two-Dimensional Materials: Crystallization, Topological Defects, Delocalized Electronic States, and Site-Specific Doping. <i>ACS Nano</i> , 2020, 14, 16887-16896.	7.3	17
17	Der Einfluss von Aggregation auf die Photophysik von spiroverbrückten Heterotriangulenen. <i>Angewandte Chemie</i> , 2020, 132, 16368-16376.	1.6	6
18	The Impact of Aggregation on the Photophysics of Spiro-Bridged Heterotriangulenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16233-16240.	7.2	10

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19	Phosphorus-Containing Dibenzonaphthanthrenes: Electronic Fine Tuning of Polycyclic Aromatic Hydrocarbons through Organophosphorus Chemistry. <i>Chemistry - A European Journal</i> , 2020, 26, 13157-13162.	1.7	15
20	On-Surface Assembly of Hydrogen- and Halogen-Bonded Supramolecular Graphyne-Like Networks. <i>Angewandte Chemie</i> , 2020, 132, 9636-9642.	1.6	3
21	On-Surface Assembly of Hydrogen- and Halogen-Bonded Supramolecular Graphyne-Like Networks. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9549-9555.	7.2	21
22	A Spherically Shielded Triphenylamine and Its Persistent Radical Cation. <i>Chemistry - A European Journal</i> , 2020, 26, 3264-3269.	1.7	23
23	Triphenylene-Derived Electron Acceptors and Donors on Ag(111): Formation of Intermolecular Charge-Transfer Complexes with Common Unoccupied Molecular States. <i>Small</i> , 2019, 15, e1901741.	5.2	10
24	The Renaissance of Bridged Triarylphosphines: Towards Organophosphorus Molecular Bowls. <i>Chemistry Letters</i> , 2019, 48, 1358-1367.	0.7	4
25	Edge Phonon Excitations in a Chiral Self-Assembled Supramolecular Nanoribbon. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5830-5835.	2.1	2
26	Two-dimensional delocalized states in organometallic bis-acetylide networks on Ag(111). <i>Nanoscale</i> , 2018, 10, 3769-3776.	2.8	32
27	Binary supramolecular networks of bridged triphenylamines with different substituents and identical scaffolds. <i>Chemical Communications</i> , 2018, 54, 11554-11557.	2.2	7
28	p-Doping of graphene in hybrid materials with 3,10-diazapicenium dications. <i>Chemical Science</i> , 2017, 8, 3494-3499.	3.7	4
29	Organic Electron Acceptors Comprising a Dicyanomethylene-Bridged Acridophosphine Scaffold: The Impact of the Heteroatom. <i>Chemistry - A European Journal</i> , 2017, 23, 6988-6992.	1.7	28
30	Dithiafulvenyl-Extended <i>N</i> -Heterotriangulenes and Their Interaction with C ₆₀ : Cooperative Fluorescence. <i>Chemistry - A European Journal</i> , 2017, 23, 12353-12362.	1.7	8
31	Quantum Chemical Dissection of the Shortest P=O... <i>N</i> ...I Halogen Bond: The Decisive Role of Crystal Packing Effects. <i>Chemistry - A European Journal</i> , 2017, 23, 5687-5691.	1.7	20
32	Hierarchical on-surface synthesis and electronic structure of carbonyl-functionalized one- and two-dimensional covalent nanoarchitectures. <i>Nature Communications</i> , 2017, 8, 14765.	5.8	120
33	Stability of Odd- Versus Even-Electron Gas-Phase (Quasi)Molecular Ions Derived from Pyridine-Substituted <i>N</i> -Heterotriangulenes. <i>ChemPlusChem</i> , 2017, 82, 163-163.	1.3	0
34	Surface-confined [2 + 2] cycloaddition towards one-dimensional polymers featuring cyclobutadiene units. <i>Nanoscale</i> , 2017, 9, 18305-18310.	2.8	32
35	Stability of Odd- Versus Even-Electron Gas-Phase (Quasi)Molecular Ions Derived from Pyridine-Substituted <i>N</i> -Heterotriangulenes. <i>ChemPlusChem</i> , 2017, 82, 204-211.	1.3	9
36	Configurationally Stable Chiral Dithia-Bridged Hetero[4]helicene Radical Cation: Electronic Structure and Absolute Configuration. <i>Chemistry - an Asian Journal</i> , 2017, 12, 31-35.	1.7	29

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37	Cyano-Functionalized Triarylamines on Coinage Metal Surfaces: Interplay of Intermolecular and Molecule-Substrate Interactions. <i>Chemistry - A European Journal</i> , 2016, 22, 581-589.	1.7	30
38	Ein stabiles kristallines Triarylphosphinoxidradikalanion. <i>Angewandte Chemie</i> , 2016, 128, 13795-13799.	1.6	13
39	A Stable Crystalline Triarylphosphine Oxide Radical Anion. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13597-13601.	7.2	31
40	Pathway Complexity in the Enantioselective Self-Assembly of Functional Carbonyl-Bridged Triarylamines. <i>Journal of the American Chemical Society</i> , 2016, 138, 10539-10545.	6.6	127
41	N-Heterotriangulene chromophores with 4-pyridyl anchors for dye-sensitized solar cells. <i>RSC Advances</i> , 2016, 6, 67372-67377.	1.7	20
42	Switchable Charge Injection Barrier in an Organic Supramolecular Semiconductor. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15535-15542.	4.0	21
43	<i>N</i> -Heterotriangulenes: Fascinating Relatives of Triphenylamine. <i>Chemical Record</i> , 2015, 15, 1119-1131.	2.9	34
44	Synthesis and Properties of Arylvinylidene-Bridged Triphenylamines. <i>Journal of Organic Chemistry</i> , 2015, 80, 2418-2424.	1.7	14
45	Multicomponent Self-Assembly with a Shape-Persistent <i>N</i> -Heterotriangulene Macrocycle on Au(111). <i>Chemistry - A European Journal</i> , 2015, 21, 1652-1659.	1.7	33
46	Long-range energy transport in single supramolecular nanofibres at room temperature. <i>Nature</i> , 2015, 523, 196-199.	13.7	278
47	Self-Assembly and Stability of Hydrogen-Bonded Networks of Bridged Triphenylamines on Au(111) and Cu(111). <i>Journal of Physical Chemistry C</i> , 2015, 119, 25945-25955.	1.5	13
48	Cyano-Functionalized Triarylamines on Au(111): Competing Intermolecular versus Molecule/Substrate Interactions. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300025.	1.9	52
49	Self-Assembly: Cyano-Functionalized Triarylamines on Au(111): Competing Intermolecular versus Molecule/Substrate Interactions (<i>Adv. Mater. Interfaces</i> 1/2014). <i>Advanced Materials Interfaces</i> , 2014, 1, n/a-n/a.	1.9	1
50	Synthesis and Photophysical Properties of Multichromophoric Carbonyl-Bridged Triarylamines. <i>Chemistry - A European Journal</i> , 2014, 20, 11708-11718.	1.7	19
51	π -Conjugated Heterotriangulene Macrocycles by Solution and Surface-supported Synthesis toward Honeycomb Networks. <i>Journal of the American Chemical Society</i> , 2013, 135, 4550-4557.	6.6	88
52	Doped Polycyclic Aromatic Hydrocarbons as Building Blocks for Nanoelectronics: A Theoretical Study. <i>Journal of Organic Chemistry</i> , 2013, 78, 1894-1902.	1.7	32
53	Columnar Self-Assembly in Electron-Deficient Heterotriangulenes. <i>Chemistry - A European Journal</i> , 2013, 19, 8117-8128.	1.7	37
54	A heterotriangulene polymer for air-stable organic field-effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 5337.	1.9	25

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55	Platinum(II) Acetylides in the Formal [2+2] Cycloaddition-Retroelectrocyclization Reaction: Organodonor Versus Metal Activation. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3729-3740.	1.2	19
56	Stabilization of pi-conjugated organoboron scaffolds by structural constraint. <i>Arkivoc</i> , 2013, 2013, 175-184.	0.3	6
57	Impact of Electronic Coupling, Symmetry, and Planarization on One- and Two-Photon Properties of Triarylaminines with One, Two, or Three Diarylboryl Acceptors. <i>Journal of Physical Chemistry A</i> , 2012, 116, 3781-3793.	1.1	88
58	<i>N,N</i> -Dicyanoquinone Diimide-Derived Donor-Acceptor Chromophores: Conformational Analysis and Optoelectronic Properties. <i>Organic Letters</i> , 2012, 14, 54-57.	2.4	27
59	Donor-Substituted Diphenylacetylene Derivatives Act as Electron Donors and Acceptors. <i>Journal of Organic Chemistry</i> , 2011, 76, 5628-5635.	1.7	10
60	Surface-supported 2D heterotriangulene polymers. <i>Chemical Communications</i> , 2011, 47, 10239.	2.2	147
61	Switching the Regioselectivity in Cycloaddition-Retro-Electrocyclizations between Donor-Activated Alkynes and the Electron-Accepting Olefins TCNE and TCNQ. <i>Chemistry - an Asian Journal</i> , 2011, 6, 396-401.	1.7	56
62	Solvatochromism as an efficient tool to study <i>N,N</i> -dimethylamino- and cyano-substituted <i>N</i> -conjugated molecules with an intramolecular charge-transfer absorption. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 274-281.	0.9	66
63	Dip-Coating-Induced Fiber Growth of a Soluble Heterotriangulene. <i>ChemPhysChem</i> , 2011, 12, 1648-1651.	1.0	21
64	Regular Acyclic and Macrocyclic [AB] Oligomers by Formation of Push-Pull Chromophores in the Chain-Growth Step. <i>Chemistry - A European Journal</i> , 2011, 17, 6088-6097.	1.7	29
65	Photophysics of two Prototypical Molecular-Wire Building Blocks: Solvent-Induced Conformational Dynamics?. <i>ChemPhysChem</i> , 2010, 11, 1700-1710.	1.0	12
66	Chiral and Achiral Charge-Transfer Chromophores with a Dendralene-Type Backbone by Electronically Controlled Cycloaddition/Cycloreversion Cascades. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 2487-2503.	1.2	36
67	All-Carbon Scaffolds by Rational Design. <i>Advanced Materials</i> , 2010, 22, 803-812.	11.1	316
68	Organic Super-Acceptors with Efficient Intramolecular Charge-Transfer Interactions by [2+2] Cycloadditions of TCNE, TCNQ, and F ₄ -TCNQ to Donor-Substituted Cyanoalkynes. <i>Chemistry - A European Journal</i> , 2009, 15, 4111-4123.	1.7	127
69	Origin of Intense Intramolecular Charge-Transfer Interactions in Nonplanar Push-Pull Chromophores. <i>Chemistry - A European Journal</i> , 2009, 15, 8687-8691.	1.7	106
70	Acetylene-Derived Strong Organic Acceptors for Planar and Nonplanar Push-Pull Chromophores. <i>Accounts of Chemical Research</i> , 2009, 42, 235-248.	7.6	368
71	One-Electron-Reduced and -Oxidized Stages of Donor-Substituted 1,1,4,4-tetracyanobuta-1,3-dienes of Different Molecular Architectures. <i>Chemistry - A European Journal</i> , 2008, 14, 7638-7647.	1.7	53
72	Conjugation and optoelectronic properties of acetylenic scaffolds and charge-transfer chromophores. <i>Pure and Applied Chemistry</i> , 2008, 80, 411-427.	0.9	49

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73	New strong organic acceptors by cycloaddition of TCNE and TCNQ to donor-substituted cyanoalkynes. <i>Chemical Communications</i> , 2007, , 4898.	2.2	88
74	A novel reaction of 7,7,8,8-tetracyanoquinodimethane (TCNQ): charge-transfer chromophores by [2 + 2] cycloaddition with alkynes. <i>Chemical Communications</i> , 2007, , 4731.	2.2	123
75	Charge-Transfer Chromophores by Cycloaddition-Retroelectrocyclization: Multivalent Systems and Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6357-6360.	7.2	121
76	Cleavage of 4-Nitrophenyl Diphenyl Phosphate by Isomeric Quaternary Pyridinium Ketoximes - How Can Structure and Lipophilicity of Functional Surfactants Influence Their Reactivity in Micelles and Microemulsions?. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 1642-1658.	1.0	20
77	Two-Dimensional Acetylenic Scaffolding: Extended Donor-Substituted Perethynylated Dehydroannulenes. <i>Chemistry - an Asian Journal</i> , 2006, 1, 479-489.	1.7	43
78	A new group of monoquaternary reactivators of acetylcholinesterase inhibited by nerve agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005, 20, 233-237.	2.5	22
79	Charge and Spin Delocalization in Mixed-Valent Vinylruthenium-Triarylamine-Conjugates with Planarized Triarylamines. <i>Organometallics</i> , 0, , .	1.1	1
80	Self-Assembly of a Triphenylene-Based Electron Donor Molecule on Graphene: Structural and Electronic Properties. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	0