

# Synthesis and Structure Characterization of a Stable No

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Synthesis and Physical Properties of Four Hexazapentacene Derivatives. <i>Journal of the American Chemical Society</i> , 2012, 134, 20298-20301.	6.6	121
2	Synthesis and Properties of a Diazopentacene Analogue. <i>Asian Journal of Organic Chemistry</i> , 2012, 1, 346-351.	1.3	29
3	Experimental and theoretical studies on pyrene-grafted polyoxometalate hybrid. <i>Dalton Transactions</i> , 2012, 41, 12185.	1.6	32
4	Synthesis and Properties of Bisphosphole-Bridged Ladder Oligophenylenes. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2615-2620.	1.7	25
5	Crystal Structure and Phototransistor Behavior of N-Substituted Heptacene. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 1883-1886.	4.0	118
6	BN-Dibenzo[ <i>a</i> , <i>o</i> ]picenes: Analogues of an Unknown Polycyclic Aromatic Hydrocarbon. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9966-9969.	7.2	83
7	Synthesis, Characterization, and Nonvolatile Ternary Memory Behavior of a Larger Heteroacene with Nine Linearly Fused Rings and Two Different Heteroatoms. <i>Journal of the American Chemical Society</i> , 2013, 135, 14086-14089.	6.6	201
8	Arynes in the synthesis of polycyclic aromatic hydrocarbons. <i>RSC Advances</i> , 2013, 3, 22727.	1.7	67
9	Solution-processed anthradithiophene-PCBM p-n junction photovoltaic cells fabricated by using the photoprecursor method. <i>Chemical Communications</i> , 2013, 49, 11638.	2.2	17
10	Synthesis and Physical Properties of the Conjugated Dendrons Bearing Twisted Acenes Used in Solution Processing of Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 11136-11141.	4.0	58
11	Synthesis, Physical Properties, and Self-Assembly of A Novel Asymmetric Aroyleneimidazophenazine. <i>Chemistry - an Asian Journal</i> , 2013, 8, 665-669.	1.7	42
12	A sandwich-type phthalocyaninato metal sextuple-decker complex: synthesis and NLO properties. <i>Chemical Communications</i> , 2013, 49, 889-891.	2.2	61
13	Synthesis, Physical Properties, and Anion Recognition of Two Novel Larger Azaacenes: Benzannelated Hexazaheptacene and Benzannelated <i>N,N</i> -dihydrohexazaheptacene. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1574-1578.	1.7	113
14	Synthesis, physical properties and self-assembly behavior ofazole-fused pyrene derivatives. <i>Nanoscale</i> , 2013, 5, 5420.	2.8	48
15	Formation of Acene-Based Polymers: Mechanistic Computational Study. <i>Journal of Organic Chemistry</i> , 2013, 78, 10058-10068.	1.7	9
16	Synthesis and Nonvolatile Memory Behaviors of Dioxatetraazapentacene Derivatives. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 6458-6462.	4.0	121
17	Azaisoquinolinones: N Positions Tell You Different Stories in Their Optical Properties. <i>Journal of Organic Chemistry</i> , 2013, 78, 12760-12768.	1.7	21
18	A Concise Method for Synthesizing 1,4,8,11-Tetraaza-6,13-dioxapentacene Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2013, 2, 852-856.	1.3	10

#	ARTICLE	IF	CITATIONS
20	Virtually pure near-infrared electroluminescence from exciplexes at polyfluorene/hexaazatrinaphthylene interfaces. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	18
22	Understanding the Electronic Structure of Larger Azaacenes through DFT Calculations. <i>Israel Journal of Chemistry</i> , 2014, 54, 699-702.	1.0	7
23	Hexaazatrinaphthylenes with Different Twists. <i>Chemistry - A European Journal</i> , 2014, 20, 1525-1528.	1.7	34
24	Synthesis, characterization, and physical properties of two novel nonaheteroacene derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 282-285.	0.7	18
25	Synthesis, Characterization, and Sensing Behavior of an N-heteropentacene. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 203-208.	1.3	12
26	Synthesis and Properties of Diazapentacene Diimides. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 114-117.	1.3	13
27	Synthesis, Crystal Packing, and Ambipolar Carrier Transport Property of Twisted Dibenzo[ <i>g,p</i> ]chrysenes. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1623-1628.	1.7	30
28	Novel functional sulfur-bridged neutral annulene: Structure, physical properties and progress on field-effect performance. <i>Dyes and Pigments</i> , 2014, 107, 21-28.	2.0	3
29	Synthesis, Characterization, and Non-volatile Memory Device Application of an N-Substituted Heteroacene. <i>Chemistry - an Asian Journal</i> , 2014, 9, 779-783.	1.7	123
30	Synthesis, Crystal Structures, Optical Properties, and Photocurrent Response of Heteroacene Derivatives. <i>Chemistry - an Asian Journal</i> , 2014, 9, 1943-1949.	1.7	16
31	Bistetracene: An Air-Stable, High-Mobility Organic Semiconductor with Extended Conjugation. <i>Journal of the American Chemical Society</i> , 2014, 136, 9248-9251.	6.6	150
32	Synthesis and properties of B,N-bridged p-terphenyls. <i>Chemical Communications</i> , 2014, 50, 782-784.	2.2	31
33	Light Emission in Water-Containing Cocrystals: the Influence of Water Molecules on the Fluorescence Properties of a Schiff-Base Molecule. <i>Chemistry - an Asian Journal</i> , 2014, 9, 223-228.	1.7	4
34	Cobalt-Catalyzed Formal [4+2] Cycloaddition of $\hat{I}_{\pm, \hat{I}}^{\pm 2}$ -Dichloro-ortho-Xylenes with Alkynes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11325-11328.	7.2	21
35	Imides modified benzopicenes: synthesis, solid structure and optoelectronic properties. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8902-8910.	1.5	15
36	Synthesis of tetranitro-oxacalix[4]arene with oligoheteroacene groups and its nonvolatile ternary memory performance. <i>Materials Horizons</i> , 2014, 1, 446-451.	6.4	65
37	Twisted pyrene-fused azaacenes. <i>Chemical Communications</i> , 2014, 50, 1976.	2.2	60
38	Larger $\pi$ -extended anti-/syn-arylenediimidazole polyaromatic compounds: synthesis, physical properties, self-assembly, and quasi-linear conjugation effect. <i>RSC Advances</i> , 2014, 4, 17822-17831.	1.7	23

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39	Why Bistetracenes Are Much Less Reactive Than Pentacenes in Diels–Alder Reactions with Fullerenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 10743-10751.	6.6	52
40	Pentacene–Fused Diporphyrins. <i>Chemistry - A European Journal</i> , 2014, 20, 13865-13870.	1.7	15
41	Recent Highlights and Perspectives on Acene Based Molecules and Materials. <i>Chemistry of Materials</i> , 2014, 26, 4046-4056.	3.2	277
42	Preparation and photoelectrochemical behavior of 1,4,6,8,11,13-hexazapentacene (HAP). <i>Chemical Communications</i> , 2014, 50, 7656-7658.	2.2	37
43	A concise method to prepare linear 2,3-diazaoligoacene derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 4346-4349.	0.7	17
44	A concise method to prepare novel fused heteroaromatic diones through double Friedel–Crafts acylation. <i>Organic Chemistry Frontiers</i> , 2014, 1, 391-394.	2.3	14
45	Synthesis, Physical Properties, and Photocurrent Behavior of Strongly Emissive Boron–Chelate Heterochrysene Derivatives. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 1168-1172.	1.3	7
46	Thiophene Fused Azacoronenes: Regioselective Synthesis, Self-Organization, Charge Transport and Its Incorporation in Conjugated Polymers. <i>Chemistry of Materials</i> , 2014, 26, 3920-3927.	3.2	68
47	Pyridinium–Fused Pyridinone: A Novel –Turn–on–Fluorescent Chemodosimeter for Cyanide. <i>Chemistry - an Asian Journal</i> , 2014, 9, 121-125.	1.7	31
48	[4 + 2] Cycloaddition Reaction To Approach Diazatwistpentacenes: Synthesis, Structures, Physical Properties, and Self-assembly. <i>Journal of Organic Chemistry</i> , 2014, 79, 4438-4445.	1.7	72
49	Pentacenobis(thiadiazole)dione, an n-Type Semiconductor for Field-Effect Transistors. <i>Journal of Organic Chemistry</i> , 2014, 79, 5858-5860.	1.7	19
50	- Electrochemical Deposition of Carbazole and Triarylamine Derivatives and Their Polymeric Optoelectronic Applications. , 2014, , 418-473.		1
51	Self-assembled multicolor nanoparticles based on functionalized twistacene dendrimer for cell fluorescent imaging. <i>NPG Asia Materials</i> , 2015, 7, e230-e230.	3.8	35
52	Tetrabenzoperipentacene: Stable Five–Electron Donating Ability and a Discrete Triple–Layered $\text{I}^2$ –Graphite Form in the Solid State. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8175-8178.	7.2	28
53	Tetrabenzoperipentacene: Stable Five–Electron Donating Ability and a Discrete Triple–Layered $\text{I}^2$ –Graphite Form in the Solid State. <i>Angewandte Chemie</i> , 2015, 127, 8293-8296.	1.6	13
54	Synthesis, Single Crystal, and Physical Properties of Asymmetrical Thiophene/Selenophene–Fused Twistacenes. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2677-2682.	1.7	29
55	Synthesis and Characterization of Alternating Polymers Incorporating Boron-Chelated Heterochrysene Units. <i>Polymers</i> , 2015, 7, 1192-1204.	2.0	0
56	Linearly Fused Azaacenes: Novel Approaches and New Applications Beyond Field-Effect Transistors (FETs). <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28049-28062.	4.0	228

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57	A divergent route to core- and peripherally functionalized diazacoronenes that act as colorimetric and fluorescence proton sensors. <i>Chemical Science</i> , 2015, 6, 3180-3186.	3.7	66
58	A Series of $\pi$ -Extended Thiadiazoles Fused with Electron-Donating Heteroaromatic Moieties: Synthesis, Properties, and Polymorphic Crystals. <i>Chemistry - A European Journal</i> , 2015, 21, 3115-3128.	1.7	34
59	Synthesis, characterization and photocurrent behavior of asymmetrical heterotwistacenes. <i>Dyes and Pigments</i> , 2015, 115, 143-148.	2.0	15
60	1,5,9-Triaza-2,6,10-triphenylboracoronene: BN-Embedded Analogue of Coronene. <i>Organic Letters</i> , 2015, 17, 560-563.	2.4	76
61	Large phenyl-substituted acenes by cycloaddition reactions of the 2,6-naphthodiyne synthon. <i>Chemical Communications</i> , 2015, 51, 5418-5420.	2.2	31
62	Synthesis and Physical Properties of Hyperbranched Polymers Containing Twisted Acenes. <i>Australian Journal of Chemistry</i> , 2015, 68, 505.	0.5	7
63	On-surface generation and imaging of arynes by atomic force microscopy. <i>Nature Chemistry</i> , 2015, 7, 623-628.	6.6	176
64	A dinaphtho[8,1,2-cde:2,8-uv]pentacene derivative and analogues: synthesis, structures, photophysical and electrochemical properties. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7628-7632.	1.5	6
66	A Pyrene-Fused $N$ -Heteroacene with Eleven Rectilinearly Annulated Aromatic Rings. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6051-6056.	7.2	113
67	Highly efficient and selective probes based on polycyclic aromatic hydrocarbons with trimethylsilylethynyl groups for fluoride anion detection. <i>Tetrahedron</i> , 2015, 71, 3838-3843.	1.0	16
68	Synthesis, Photophysics, and Self-Assembly of Furan-Embedded Heteroarenes. <i>Chemistry - A European Journal</i> , 2015, 21, 14791-14796.	1.7	35
69	Synthesis and Properties of $C_{2h}$ -Symmetric BN-Heteroacenes Tailored through Aromatic Central Cores. <i>Journal of Organic Chemistry</i> , 2015, 80, 10127-10133.	1.7	44
70	Electronic and Morphological Studies of Conjugated Polymers Incorporating a Disk-Shaped Polycyclic Aromatic Hydrocarbon Unit. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 20034-20045.	4.0	8
71	Synthesis, physical properties and ion recognition of a novel larger heteroacene with eleven linearly-fused rings and two different types of heteroatom. <i>RSC Advances</i> , 2015, 5, 80307-80310.	1.7	11
72	Aroyleneimidazophenazine: A Sensitive Probe for Detecting $CN^{\ominus}$ Anion and its Solvatochromism Effect. <i>Journal of Heterocyclic Chemistry</i> , 2015, 52, 1699-1704.	1.4	8
73	Synthesis of Highly Twisted and Fully $\pi$ -Conjugated Porphyrinic Oligomers. <i>Journal of the American Chemical Society</i> , 2015, 137, 142-145.	6.6	75
74	Double [4 + 2] Cycloaddition Reaction To Approach a Large Acene with Even-Number Linearly Fused Benzene Rings: 6,9,16,19-Tetraphenyl-1,20,4,5,10,11,14,15-Tetrabenzooctatwistacene. <i>Journal of Organic Chemistry</i> , 2015, 80, 109-113.	1.7	86
75	Unconventional, Chemically Stable, and Soluble Two-Dimensional Angular Polycyclic Aromatic Hydrocarbons: From Molecular Design to Device Applications. <i>Accounts of Chemical Research</i> , 2015, 48, 500-509.	7.6	227

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76	Synthesis, Characterization, Physical Properties, and OLED Application of Single BN-Fused Perylene Diimide. <i>Journal of Organic Chemistry</i> , 2015, 80, 196-203.	1.7	227
77	Synthesis, physical properties and OLED performance of azatetracenes. <i>Dyes and Pigments</i> , 2015, 112, 93-98.	2.0	38
78	Substituent effects in twisted dibenzotetracene derivatives: Blue emitting materials for organic light-emitting diodes. <i>Dyes and Pigments</i> , 2015, 112, 176-182.	2.0	39
79	Synthesis, Crystal Analyses, Physical Properties, and Electroluminescent Behavior of Unsymmetrical Heterotwistacenes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 18998-19003.	4.0	33
80	Full Characterization and Photoelectrochemical Behavior of Pyrene-fused Octaazadecacene and Tetraazaoctacene. <i>Chemistry - an Asian Journal</i> , 2016, 11, 482-485.	1.7	28
81	Pyrene-fused Acenes and Azaacenes: Synthesis and Applications. <i>Chemical Record</i> , 2016, 16, 1518-1530.	2.9	127
82	The Synthesis and Characterization of Highly Fluorescent Polycyclic Azaborine Chromophores. <i>Journal of Organic Chemistry</i> , 2016, 81, 10955-10963.	1.7	17
83	Three-Fold Scholl-Type Cycloheptatriene Ring Formation around a Tribenzotriquinacene Core: Toward Warped Graphenes. <i>Journal of the American Chemical Society</i> , 2016, 138, 13778-13781.	6.6	57
84	Azaacenes as active elements for sensing and bio applications. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7060-7074.	2.9	128
85	A new synthetic approach to fused nine-ring systems of the indolo[3,2-b]carbazole family through double Pd-catalyzed intramolecular C-H arylation. <i>RSC Advances</i> , 2016, 6, 70106-70116.	1.7	12
86	Facile Synthetic Approach to a Large Variety of Soluble Diarenoperylene. <i>Chemistry - A European Journal</i> , 2016, 22, 14840-14845.	1.7	56
87	Twisted Polycyclic Arenes from Tetranaphthylidiphenylbenzenes by Controlling the Scholl Reaction with Substituents. <i>Chemistry - A European Journal</i> , 2016, 22, 18620-18627.	1.7	73
88	Control of Conformation and Chirality of Nonplanar $\pi$ -Conjugated Diporphyrins Using Substituents and Axial Ligands. <i>Chemistry - an Asian Journal</i> , 2016, 11, 936-942.	1.7	12
89	Tunable interfaces on tetracene and pentacene thin-films via monolayers. <i>CrystEngComm</i> , 2016, 18, 6062-6068.	1.3	8
90	Effect of the mismatch structure on crystal packing, physical properties and third-order nonlinearity of unsymmetrical twistacenes. <i>Dyes and Pigments</i> , 2016, 134, 9-18.	2.0	20
91	One-Pot Synthesis of Tetraphene and Construction of Expanded Conjugated Aromatics. <i>Journal of Organic Chemistry</i> , 2016, 81, 5250-5255.	1.7	13
92	Twistacene functionalized anthracenes with high-efficiency blue fluorescence. <i>Dyes and Pigments</i> , 2016, 125, 356-361.	2.0	11
93	Strain-induced helical chirality in polyaromatic systems. <i>Chemical Society Reviews</i> , 2016, 45, 1542-1556.	18.7	238

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94	Fusing N-heteroacene analogues into one "kinked" molecule with slipped two-dimensional ladder-like packing. <i>Chemical Science</i> , 2016, 7, 1309-1313.	3.7	24
95	Synthesis, Physical Properties and Memory Device Application of a Twelve-Ring Fused Twistheteroacene. <i>Chemistry - an Asian Journal</i> , 2017, 12, 638-642.	1.7	15
96	Synthesis and physical properties of triphenylamine-functionalized twistacenes: blue-emitting fluorophores. <i>RSC Advances</i> , 2017, 7, 10570-10574.	1.7	6
97	Palladium-catalyzed synthesis and fluorescence study of 2,3-diaryl-5-ethynylbenzo[ e ]indoles. <i>Tetrahedron</i> , 2017, 73, 3407-3414.	1.0	2
98	A Twisted Nanographene Consisting of 96 Carbon Atoms. <i>Angewandte Chemie</i> , 2017, 129, 9131-9135.	1.6	53
99	A Twisted Nanographene Consisting of 96 Carbon Atoms. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9003-9007.	7.2	127
100	Synthesis, Full Characterization, and Field Effect Transistor Behavior of a Stable Pyrene-Fused <i>N</i> -Heteroacene with Twelve Linearly Annulated Six-Membered Rings. <i>Chemistry of Materials</i> , 2017, 29, 4172-4175.	3.2	131
101	A large pyrene-fused N-heteroacene: fifteen aromatic six-membered rings annulated in one row. <i>Chemical Communications</i> , 2017, 53, 7772-7775.	2.2	114
102	Synthesis, Optoelectronic and Self-Assembly Properties of Diazadioxaacene Derivatives. <i>Chemistry - an Asian Journal</i> , 2017, 12, 2121-2126.	1.7	18
103	Pyridine-ring containing twisttetraazaacene: Synthesis, physical properties, crystal structure and picric acid sensing. <i>Talanta</i> , 2017, 174, 462-467.	2.9	23
104	Synthesis and Properties of a Twisted and Stable Tetracyano-Substituted Tetrabenzoheptacene. <i>Organic Letters</i> , 2017, 19, 1718-1721.	2.4	27
105	Development of Pyrene Derivatives as Promising n-Type Semiconductors: Synthesis, Structural and Spectral Properties. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1903-1913.	1.3	7
106	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15373-15377.	7.2	68
107	Synthetic Approaches to Pyrene-Fused Twistacenes. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 7006-7011.	1.2	20
108	Decacene: On-Surface Generation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11945-11948.	7.2	146
109	Decacene: On-Surface Generation. <i>Angewandte Chemie</i> , 2017, 129, 12107-12110.	1.6	54
110	Novel Benzimidazole-Containing Heterocyclic Compounds: Synthesis, Physical Properties and OLED Application. <i>ChemistrySelect</i> , 2017, 2, 11206-11210.	0.7	7
111	A Decatwistacene with an Overall 170° Torsion. <i>Angewandte Chemie</i> , 2017, 129, 15575-15579.	1.6	31

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112	The K-Region in Pyrenes as a Key Position to Activate Aggregation-Induced Emission: Effects of Introducing Highly Twisted <i>N,N</i> -Dimethylamines. <i>Journal of Organic Chemistry</i> , 2017, 82, 6865-6873.	1.7	46
113	Spindle-Type Conjugated Compounds Containing Twistacene Unit: Synthesis and Ultrafast Broadband Reverse Saturable Absorption. <i>Advanced Optical Materials</i> , 2017, 5, 1600712.	3.6	50
114	Phenanthroline-Fused Pyrazinacenes: One-Pot Synthesis, Tautomerization and a Ru II (2,2'-bipy) 2 Derivative. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 2541-2548.	1.0	5
115	1,8-Diphenyl-10-Bis(arylethynyl)phenanthrenes: Synthesis, Distorted Structure, and Optical Properties. <i>Chemistry - A European Journal</i> , 2018, 24, 6625-6631.	1.7	10
116	Recent Progress in Using Pyrene-4,5-diketones and Pyrene-4,5,9,10-tetraketones as Building Blocks to Construct Large Acenes and Heteroacenes. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2130-2146.	1.3	59
117	Substituted Acene Derivatives: Synthesis, Optical Property and Self-assembly Behavior. <i>ChemistrySelect</i> , 2018, 3, 2692-2696.	0.7	2
118	A Direct Method to Access Substituted Pyreno[4,5-c:9,10-c']difuran and its Analogues. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2213-2217.	1.3	6
119	Synthesis of Alternating Donor-Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie</i> , 2018, 130, 6552-6558.	1.6	7
120	Synthesis, Crystal Analysis, and Optoelectronic Properties of Diazo-Functionalized Acenes and Azaacenes. <i>Chemistry - A European Journal</i> , 2018, 24, 6572-6579.	1.7	34
121	Synthesis of Alternating Donor-Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6442-6448.	7.2	54
122	Twistacene contained molecule for optical nonlinearity: Excited-state based negative refraction and optical limiting. <i>Optics and Laser Technology</i> , 2018, 102, 93-99.	2.2	14
123	A Dihydrodinaphthoheptacene. <i>Journal of Organic Chemistry</i> , 2018, 83, 1891-1897.	1.7	9
124	Synthesis, optoelectronic properties and third-order nonlinear optical behaviors of the functionalized acene derivatives. <i>Dyes and Pigments</i> , 2018, 155, 93-99.	2.0	21
125	A Facile Synthesis for One Novel N-Heteroacene 9, 11, 20, 22-Tetraaza-Tetrapyridopentacene and Its Mechanism Analysis. <i>Polycyclic Aromatic Compounds</i> , 2018, 38, 346-353.	1.4	1
126	Functionalized twistacenes for solid state nonlinear optical materials. <i>Dyes and Pigments</i> , 2018, 149, 876-881.	2.0	13
127	Synthesis and red electroluminescence of a dimesityl-functionalized bistetracene. <i>Chinese Chemical Letters</i> , 2018, 29, 293-296.	4.8	8
128	Synthesis, Optoelectric Property, and Electroluminescent Behavior of Annulated Dioxin Derivative Containing Thirteen Six-membered Rings. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2315-2319.	1.3	1
129	Structure-property relationships of coronene in external electric field. <i>Organic Electronics</i> , 2018, 59, 196-201.	1.4	4



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130	Recent Progress in the Usage of Phenazinediamine and Its Analogues as Building Blocks to Construct Large <i>N</i> -Heteroacenes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 3375-3390.	1.2	24
131	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13555-13559.	7.2	76
132	Pyrene-Containing Twistarene: Twelve Benzene Rings Fused in a Row. <i>Angewandte Chemie</i> , 2018, 130, 13743-13747.	1.6	27
133	Helically Locked Tethered Twistacenes. <i>Journal of the American Chemical Society</i> , 2018, 140, 8086-8090.	6.6	64
134	Tetraazatetraoxododecacene and tetraazatetrathiododecacene: Synthesis, crystal structures, linear and third-order nonlinear optical properties. <i>Dyes and Pigments</i> , 2019, 161, 130-136.	2.0	9
135	Sulfur Position in Pyrene-Based PTTIs Plays a Key Role To Determine the Performance of Perovskite Solar Cells When PTTIs Were Employed as Electron Transport Layers. <i>ACS Applied Energy Materials</i> , 2019, 2, 5716-5723.	2.5	13
136	Facile and versatile access to substituted hexabenzoovalene derivatives: characterization and optoelectronic properties. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7964-7972.	1.5	6
137	Dimesitylboryl-Decorated Azaarene: Synthesis, Enhanced Stability and Optoelectronic Property. <i>Chemistry - an Asian Journal</i> , 2019, 14, 4395-4399.	1.7	2
138	The Diels-Alder Reaction for the Synthesis of Polycyclic Aromatic Compounds. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7271-7306.	1.2	35
139	11,16-Di- <i>tert</i> -butyl-9,18-diphenylbenzo[ <i>k</i> ]benzo[8,9]triphenylene [2,3- <i>b</i> ]xanthene: Synthesis, Photophysics, Self-Assembly and Electroluminescent Properties. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 399-403.	1.3	2
140	Radical cations of twisted acenes: chiroptical properties and spin delocalization. <i>Chemical Communications</i> , 2019, 55, 6022-6025.	2.2	13
141	The enhanced two-photon absorption behavior of twistfuranacenes to phenylacetylene-functionalized twistacenes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6344-6351.	2.7	28
142	Pyridazine-Containing Diazatwistanthracene and Tetraazatwisttetracene: Synthesis, Crystal Structures and Third Order Nonlinear Optical Properties. <i>ChemistrySelect</i> , 2019, 4, 2810-2814.	0.7	3
143	Synthesis, physical properties and electroluminescence of functionalized pyrene derivative. <i>Dyes and Pigments</i> , 2019, 167, 22-28.	2.0	10
144	Identification and quantification of phenol-type antioxidants in low-density polyethylene by broadband far-infrared spectroscopy. <i>Polymer Testing</i> , 2019, 76, 10-18.	2.3	4
145	Unusual stabilization of larger acenes and heteroacenes. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14011-14034.	2.7	72
146	X-Shaped Polycyclic Aromatic Hydrocarbons: Optical Properties and Tunable Assembly Ability. <i>Chemistry - an Asian Journal</i> , 2019, 14, 491-498.	1.7	1
147	Chiroptical Properties of Twisted Acenes: Experimental and Computational Study. <i>Chemistry - A European Journal</i> , 2019, 25, 3279-3285.	1.7	27

#	ARTICLE	IF	CITATIONS
148	Synthesis, Structure, Photophysical Properties, and Photostability of Benzodipyrenes. Chemistry - A European Journal, 2019, 25, 1441-1445.	1.7	18
149	Photochemistry of various acene based molecules. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2019, 38, 27-46.	5.6	47
150	Elucidating $\pi$ - $\pi$ interaction-induced extension effect in sandwich phthalocyaninato compounds. RSC Advances, 2020, 10, 317-322.	1.7	5
151	Electron-Rich Twistacene-Modified Arylboron Donor-Acceptor Systems: Synthesis, Photophysics, and Electroluminescence with Hot Exciton Response. Chemistry - A European Journal, 2020, 26, 3113-3118.	1.7	10
152	Stable Double and Quadruple [5]Helicene Derivatives: Synthesis, Structural Analysis, and Physical Properties. Organic Letters, 2020, 22, 261-264.	2.4	31
153	Diels-Alder Cycloaddition to the Bay Region of Perylene and Its Derivatives as an Attractive Strategy for PAH Core Expansion: Theoretical and Practical Aspects. Molecules, 2020, 25, 5373.	1.7	10
154	A computational exploration of aggregation-induced excitonic quenching mechanisms for perylene diimide chromophores. Journal of Chemical Physics, 2020, 153, 064108.	1.2	16
155	Multi-Color Emitting Pyrene Derivatives: Synthesis, Optoelectronic and Electroluminescent Properties. ChemistrySelect, 2020, 5, 12465-12469.	0.7	1
156	Supertwistacene: A Helical Graphene Nanoribbon. Journal of the American Chemical Society, 2020, 142, 16887-16893.	6.6	96
157	Efficient electroluminescence from twistacene-modified $\pi$ -conjugated compounds. Dyes and Pigments, 2020, 177, 108298.	2.0	2
158	Two-Photon Absorption of Butterfly-Shaped Carbonyl-Bridged Twistarene. Asian Journal of Organic Chemistry, 2020, 9, 579-583.	1.3	3
159	Pseudopotential-fragment spectroscopy for organic molecules and carbon allotropes. International Journal of Quantum Chemistry, 2020, 120, e26180.	1.0	1
160	Pyrene-stabilized acenes as intermolecular singlet fission candidates: Importance of exciton wave-function convergence. Journal of Physics Condensed Matter, 2020, 32, 184001.	0.7	15
161	Enhanced Reverse Saturable Absorption in Substituted Twistacenes from Visible to Near-Infrared: Modulation of Terminal Twisted $\pi$ -Conjugated Units. Journal of Physical Chemistry C, 2020, 124, 4701-4708.	1.5	10
162	Expanded benzofuran-decorated twistacene derivatives: synthesis, characterization and single-component white electroluminescence. Physical Chemistry Chemical Physics, 2020, 22, 12166-12172.	1.3	8
163	APEX Strategy Represented by Diels-Alder Cycloadditions-New Opportunities for the Syntheses of Functionalised PAHs. Chemistry - A European Journal, 2020, 26, 12150-12157.	1.7	11
164	Recent Progress in High Linearly Fused Polycyclic Conjugated Hydrocarbons (PCHs, $n \geq 6$ ) with Well-Defined Structures. Advanced Science, 2020, 7, 1903766.	5.6	80
165	The substituent effect on the photophysical and charge transport properties of non-planar dibenzo[ <i>a,m</i> ]rubicenes. New Journal of Chemistry, 2021, 45, 20556-20568.	1.4	2

#	ARTICLE	IF	CITATIONS
166	Raman and ROA analyses of twisted anthracenes: connecting vibrational and electronic/photonic structures. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 13996-14003.	1.3	1
167	Benzo-fused Perylene Oligomers with up to 13 Linearly Annulated Rings. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7941-7946.	7.2	41
168	Benzo-fused Perylene Oligomers with up to 13 Linearly Annulated Rings. <i>Angewandte Chemie</i> , 2021, 133, 8020-8025.	1.6	11
169	Our research progress in heteroaggregation and homoaggregation of organic $\pi$ -conjugated systems. <i>Aggregate</i> , 2021, 2, e35.	5.2	28
170	Pentagon-Containing $\pi$ -Expanded Systems: Synthesis and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2021, 86, 9961-9969.	1.7	14
171	Controlled Growth and Self-assembly of Multiscale Organic Semiconductor. <i>Advanced Materials</i> , 2022, 34, e2102811.	11.1	24
172	Efficient energy-level modification of novel pyran-annulated perylene diimides for photocatalytic water splitting. <i>Chemical Communications</i> , 2017, 53, 6918-6921.	2.2	15
173	Double $\pi$ -Extended Helicene Derivatives Containing Pentagonal Rings: Synthesis, Crystal Analyses, and Photophysics. <i>Journal of Organic Chemistry</i> , 2021, 86, 17535-17542.	1.7	19
174	Quantum chemical study of electron structure and charge transport properties of symmetric acenequinones. <i>Acta Chimica Slovaca</i> , 2018, 11, 83-93.	0.5	1
175	Easier to Twist than Bend: The Scope of the Bridge Formation Approach to Naphthalenophane Synthesis. <i>Organic Materials</i> , 2020, 02, 323-329.	1.0	1
176	Relationship Between Molecular Structure, Single crystal Packing and Self-assembly Behavior: A Case Based on Pyrene Imide Derivatives. <i>Chemistry - A European Journal</i> , 2022, 28, e202103808.	1.7	5
177	Effect of Annulation Mode of Twistarene on the Physical Property and Self-assembly Behavior of Functionalized Curved Aromatic Molecules. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	8
178	Achieving Solution-processed Non-doped Single-emitting Layer White Organic Light-emitting Diodes through Adjusting Pyrene-based Polyaromatic Hydrocarbon. <i>Chemistry - A European Journal</i> , 0, , .	1.7	6
179	Corannulene-based acenes. <i>Organic Chemistry Frontiers</i> , 2022, 9, 4981-4989.	2.3	2
181	Bottom-up Preparation of Twisted Graphene Nanoribbons by Cu-catalyzed Deoxygenative Coupling. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
182	Bottom-up Preparation of Twisted Graphene Nanoribbons by Cu-catalyzed Deoxygenative Coupling. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
183	Two novel Anderson-type polyoxometalate based Mn(III) complexes constructed from pyrene derivatives: Synthesis, photophysical, and electrochemical properties. <i>Inorganica Chimica Acta</i> , 2023, 545, 121280.	1.2	1
184	Synthesis, Crystal Analysis, and Physical Properties of Double [6]helicene-Containing Heteroarenes with Circularly Polarized Luminescence. <i>Organic Letters</i> , 2023, 25, 1343-1347.	2.4	6

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185	A Heptacene Analogue Entailing a Quinoidal Benzodi[7]annulene (7/6/7 Ring) Core with a Tunable Configuration and Multiple Redox Properties. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
186	Facile Synthesis of Helicene-Containing Arenes for Optical Limiting Devices**. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	4
187	The Radical Anion and Dianion of Benzo[3,4]cyclobuta[1,2- <i>b</i> ]phenazine. <i>Journal of Organic Chemistry</i> , 2023, 88, 2742-2749.	1.7	1
188	A Heptacene Analogue Entailing a Quinoidal Benzodi[7]annulene (7/6/7 Ring) Core with a Tunable Configuration and Multiple Redox Properties. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	8
189	Pyridone-Doped Acenes with Improved Stability. <i>Chemistry - A European Journal</i> , 2023, 29, .	1.7	0