

Structurally Constrained Boron-, Nitrogen-, Silicon-, and π-Conjugated Systems

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Complementary Synthetic Approaches toward 9-Phosphatriptycene and Structure-Activity Investigations of Its Association with Sterically Hindered Lewis Acids. <i>Journal of Organic Chemistry</i> , 2019, 84, 11268-11274.	1.7	15
2	An Azide-Substituted Triarylborane: A Key Compound for the Facile Synthesis of Fluorescent Triarylboranes Bearing Triazole Moieties as Connectable π -Conjugated System Linkages. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6117-6121.	1.2	5
3	Ferroelectricity of a Tetraphenylporphyrin Derivative Bearing π -CONHC ₁₄ H ₂₉ Chains at 500 K. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22439-22446.	1.5	16
4	Dibenzoarsepins: Planarization of 8 π -Electron System in the Lowest Singlet Excited State. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11686-11690.	7.2	38
5	Organic Emitters with a Rigid 9-Phenyl-9-phosphafluorene Oxide Moiety as the Acceptor and Their Thermally Activated Delayed Fluorescence Behavior. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 27112-27124.	4.0	35
6	Multiple Resonance Effect-Induced Sky-Blue Thermally Activated Delayed Fluorescence with a Narrow Emission Band. <i>Organic Letters</i> , 2019, 21, 9311-9314.	2.4	157
7	Pushing the Lewis Acidity Boundaries of Boron Compounds With Non-Planar Triarylboranes Derived from Triptycenes. <i>Angewandte Chemie</i> , 2019, 131, 17045-17049.	1.6	25
8	Pushing the Lewis Acidity Boundaries of Boron Compounds With Non-Planar Triarylboranes Derived from Triptycenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16889-16893.	7.2	66
9	Superbase-Assisted Selective Synthesis of Triarylphosphines from Aryl Halides and Red Phosphorus: Three Consecutive Different S _N Ar Reactions in One Pot. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6240-6245.	1.2	10
10	Existence and Multiplicity of Solutions for Sublinear Schrödinger Equations with Coercive Potentials. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-8.	0.6	1
11	Building Large Structures with Curved Aromatic Surfaces by Complexing Metals with Phosphangulene. <i>Journal of the American Chemical Society</i> , 2019, 141, 18740-18753.	6.6	11
12	The Renaissance of Bridged Triarylphosphines: Towards Organophosphorus Molecular Bowls. <i>Chemistry Letters</i> , 2019, 48, 1358-1367.	0.7	4
13	Structures and Electronic Properties of Diisopropylaminoborane Substituted with Highly Electron-Rich π -Conjugated Systems and Their Oxidized States. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1902-1909.	2.0	3
14	A Modular Approach to Phosphorescent π -Extended Heteroacenes. <i>Inorganic Chemistry</i> , 2019, 58, 13323-13336.	1.9	20
15	The supramolecular assemblies based on heteroatom-containing triangulenes. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2308-2325.	3.2	13
16	Quadruply π -Fused Dibenzo-azaacene with High Electron Affinity and High Electron Mobility. <i>Journal of the American Chemical Society</i> , 2019, 141, 17015-17021.	6.6	93
17	Using boryl-substitution and improved Suzuki-Miyaura cross-coupling to access new phosphorescent tellurophenes. <i>Dalton Transactions</i> , 2019, 48, 10210-10219.	1.6	11
18	Structural Properties of Highly Doped Borazino Polyphenylenes Obtained through Condensation Reaction. <i>ACS Omega</i> , 2019, 4, 9343-9351.	1.6	8

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19	Planarized <i>B</i> , <i>N</i> -phenylated dibenzoazaborine with a carbazole substructure: electronic impact of the structural constraint. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5500-5504.	1.5	28
20	Inserting Nitrogen: An Effective Concept To Create Nonplanar and Stimuli-Responsive Perylene Bisimide Analogues. <i>Journal of the American Chemical Society</i> , 2019, 141, 19807-19816.	6.6	40
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22	Isolable Lanthanide Metal Complexes of a Phosphorus-Centered Radical. <i>Inorganic Chemistry</i> , 2020, 59, 2111-2115.	1.9	20
23	Synthetic Applications of Oxidative Aromatic Coupling—From Biphenols to Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2998-3027.	7.2	224
24	Syntheseanwendungen der oxidativen aromatischen Kupplung von Biphenolen zu Nanographenen. <i>Angewandte Chemie</i> , 2020, 132, 3020-3050.	1.6	74
25	B μ N-containing azaacenes with propynyl groups on boron atoms. <i>Chinese Chemical Letters</i> , 2020, 31, 1193-1196.	4.8	10
26	Intramolecular Borylation via Sequential Mes Bond Cleavage for the Divergent Synthesis of B,N-Doped Benzo[4]helicenes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3156-3160.	7.2	90
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28	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie</i> , 2020, 132, 4135-4143.	1.6	20
29	Bis(phosphangulene)iminium Salts. Holding on to Fullerenes with Phangs. <i>Crystal Growth and Design</i> , 2020, 20, 1319-1327.	1.4	4
30	Synthesis, Structures, and Properties of Neutral and Radical Cationic S,C,C-Bridged Triphenylamines. <i>Organic Letters</i> , 2020, 22, 734-738.	2.4	19
31	Iodine promoted cascade cycloisomerization of 1-en-6,11-diynes. <i>Chemical Communications</i> , 2020, 56, 1421-1424.	2.2	17
32	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
33	O-Doped Nanographenes: A Pyrano/Pyrylium Route Towards Semiconducting Cationic Mixed-Valence Complexes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4106-4114.	7.2	33
34	Donor-Acceptor Materials Exhibiting Thermally Activated Delayed Fluorescence Using a Planarized <i>N</i> -Phenylbenzimidazole Acceptor. <i>Journal of Organic Chemistry</i> , 2020, 85, 108-117.	1.7	24
35	Isolation of singlet carbene derived 2-phospha-1,3-butadienes and their sequential one-electron oxidation to radical cations and dications. <i>Chemical Science</i> , 2020, 11, 1975-1984.	3.7	19
36	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

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38	Elektrochemischer Zugang zu aza-polycyclischen aromatischen Kohlenwasserstoffen: Rhoda-elektrokatalytische Domino-Alkinierungen. <i>Angewandte Chemie</i> , 2020, 132, 5596-5601.	1.6	17
39	Electrochemical Access to Aza-Polycyclic Aromatic Hydrocarbons: Rhoda-Electrocatalyzed Domino Alkyne Annulations. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5551-5556.	7.2	72
40	Rapid Construction of Fold-Line-Shaped BN-Embedded Polycyclic Aromatic Compounds through Diels-Alder Reaction. <i>Journal of Organic Chemistry</i> , 2020, 85, 241-247.	1.7	8
41	Pentacyclic Ladder-Heteroborin Emitters Exhibiting High-Efficiency Blue Thermally Activated Delayed Fluorescence with an Ultrashort Emission Lifetime. , 2020, 2, 28-34.		61
42	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework. <i>Angewandte Chemie</i> , 2020, 132, 1451-1455.	1.6	5
43	Solvent-Vapor-Induced Reversible Single-Crystal-to-Single-Crystal Transformation of a Triphosphaazatriangulene-Based Metal-Organic Framework. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1435-1439.	7.2	40
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45	Preparation, photo- and electrochemical studies of a homoleptic imine-phosphaalkene Cu(I) complex. <i>Inorganica Chimica Acta</i> , 2020, 513, 119958.	1.2	4
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50	Tunable ultralong organic phosphorescence modulated by main-group elements with different Lewis acidity and basicity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14740-14747.	2.7	13
51	Impact of PSBpin Content on the Electrochemical Properties of PTMA-PSBpin Copolymer Cathodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 9296-9304.	2.5	5
52	The Properties and Preparation Methods of Different Boron Nitride Nanostructures and Applications of Related Nanocomposites. <i>Chemical Record</i> , 2020, 20, 1314-1337.	2.9	32
53	Molecular Engineering to Access Fluorescent Trackers of Organelles by Cyclization: Chemical Environment of Nitrogen Atom-Modulated Targets. <i>Advanced Functional Materials</i> , 2020, 30, 2004511.	7.8	9
54	Golden Age of Fluorenylidene Phosphaalkenes-Synthesis, Structures, and Optical Properties of Heteroaromatic Derivatives and Their Gold Complexes. <i>Journal of Organic Chemistry</i> , 2020, 85, 14619-14626.	1.7	4

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60	Base-promoted domino-borylation-protodeboration strategy. Chemical Communications, 2020, 56, 6469-6479.	2.2	36
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67	A Nanoboat with Fused Concave <i>N</i>-â€Heterotriangulene. Angewandte Chemie - International Edition, 2020, 59, 8963-8968.	7.2	38
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70	New fused conjugated molecules with fused thiophene and pyran units for organic electronic materials. RSC Advances, 2020, 10, 12378-12383.	1.7	4
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72	The effect of line edge roughness defect on the electronic transport properties of Boron-doped graphene nanoribbon rectifier. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	5

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74	Helically Twisted Benzene-1,3,5-triamine-fused Porphyrin Dimers. <i>Chemistry Letters</i> , 2020, 49, 517-520.	0.7	2
75	A Deep Blue B,N-Doped Heptacene Emitter That Shows Both Thermally Activated Delayed Fluorescence and Delayed Fluorescence by Triplet-Triplet Annihilation. <i>Journal of the American Chemical Society</i> , 2020, 142, 6588-6599.	6.6	189
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81	Of Twists and Curves: Electronics, Photophysics, and Upcoming Applications of Non-Planar Conjugated Organic Molecules. <i>Chemistry - A European Journal</i> , 2020, 26, 10653-10675.	1.7	41
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83	Isolable cyclic radical cations of heavy main-group elements. <i>Chemical Communications</i> , 2020, 56, 2167-2170.	2.2	21
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85	Synthesis and Reactivity of Cationic Boron Complexes Distorted by Pyridine-based Pincer Ligands: Isolation of a Photochemical Hofmann-Martius-type Intermediate. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4932-4936.	7.2	18
86	A Spherically Shielded Triphenylamine and Its Persistent Radical Cation. <i>Chemistry - A European Journal</i> , 2020, 26, 3264-3269.	1.7	23
87	A Family of BODIPY-like Highly Fluorescent and Unsymmetrical Bis(BF ₂) Pyrrolyl-Acylhydrazone Chromophores: BOAPY. <i>Organic Letters</i> , 2020, 22, 4588-4592.	2.4	38
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91	Triazole functionalized 5,9-dioxab[3,2,1-de]anthracene: a new family of multi-stimuli responsive materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7749-7754.	2.7	11
92	Controlled Generation of 9-Boratriptycene by Lewis Adduct Dissociation: Accessing a Non-Planar Triarylborane. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 12402-12406.	7.2	46
93	Synthesis of Carbazole-Fused Azaborines via a Pd-Catalyzed C-H Activation-Cyclization Reaction. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 21-23.	2.0	6
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96	Cationic Boron Formazanate Dyes**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5152-5156.	7.2	14
97	Syntheses and Properties of (Nitronyl nitroxide)-substituted Triphenylamine ortho-Bridged by Two Oxygen and Sulfur Atoms. <i>Chemistry - an Asian Journal</i> , 2021, 16, 72-79.	1.7	11
98	Pre-Planarized Triphenylamine-Based Linear Mixed-Valence Charge-Transfer Systems. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6771-6777.	7.2	11
99	Access to a Phthalazine Derivative Through an Angular <i>cis</i> -Quinacridone. <i>Journal of Organic Chemistry</i> , 2021, 86, 1198-1203.	1.7	7
100	Cationic Boron Formazanate Dyes**. <i>Angewandte Chemie</i> , 2021, 133, 5212-5216.	1.6	2
101	Vorplanarisierte Triphenylamin-basierte lineare gemischtvalente Ladungstransfersysteme. <i>Angewandte Chemie</i> , 2021, 133, 6845-6851.	1.6	1
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106	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. <i>Angewandte Chemie</i> , 2021, 133, 2869-2874.	1.6	17
107	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2833-2838.	7.2	27
108	Optimizing molecular rigidity and thermally activated delayed fluorescence (TADF) behavior of phosphoryl center π -conjugated heterocycles-based emitters by tuning chemical features of the tether groups. <i>Chemical Engineering Journal</i> , 2021, 413, 127445.	6.6	13

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112	Fully Bridged Triphenylamine Derivatives as Color-Tunable Thermally Activated Delayed Fluorescence Emitters. <i>Organic Letters</i> , 2021, 23, 958-962.	2.4	76
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117	Merging Boron with Nitrogen-Oxygen Bonds: A Review on BON Heterocycles. <i>Topics in Current Chemistry</i> , 2021, 379, 8.	3.0	9
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123	Synthesis of dibenzosuberone-based novel polycyclic π-conjugated dihydropyridazines, pyridazines and pyrroles. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 719-729.	1.3	7
124	Impact of boryl acceptors in para-acridine-appended triarylboron emitters on blue thermally activated delayed fluorescence OLEDs. <i>Dyes and Pigments</i> , 2021, 188, 109224.	2.0	9
125	Pyrrolic Type N Directed Borylation Route to BN-PAHs: Tuning the Photophysical Properties by Varying the Conjugation Shape and Size. <i>Journal of Organic Chemistry</i> , 2021, 86, 6322-6330.	1.7	17
126	Modular Synthesis of Pentagonal and Hexagonal Ring-Fused NBN-Phenalenenes Leading to an Excited-State Aromatization-Induced Structural Planarization Molecular Library. <i>Journal of the American Chemical Society</i> , 2021, 143, 5903-5916.	6.6	41

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127	Syntheses and Physical Properties of Cationic BN-Embedded Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2021, 133, 12945-12950.	1.6	11
128	Syntheses and Physical Properties of Cationic BN-Embedded Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12835-12840.	7.2	26
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131	Isolierung von 1,4-Diarsinin-1,4-Diide und 1,4-Diarsinin-Derivaten. <i>Angewandte Chemie</i> , 2021, 133, 15988-15987.	5	5
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