

Fang-Dong Zhuang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10841469/publications.pdf>

Version: 2024-02-01

20
papers

1,534
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1389
citing authors

#	ARTICLE	IF	CITATIONS
1	A Straightforward Strategy toward Large BN-Embedded π -Systems: Synthesis, Structure, and Optoelectronic Properties of Extended BN Heterosuperbenzenes. <i>Journal of the American Chemical Society</i> , 2014, 136, 3764-3767.	13.7	273
2	Azaborine Compounds for Organic Field-Effect Transistors: Efficient Synthesis, Remarkable Stability, and BN Dipole Interactions. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3117-3120.	13.8	245
3	Enhancing the n-type Conductivity and Thermoelectric Performance of Donor-Acceptor Copolymers through Donor Engineering. <i>Advanced Materials</i> , 2018, 30, e1802850.	21.0	169
4	A thermally activated and highly miscible dopant for n-type organic thermoelectrics. <i>Nature Communications</i> , 2020, 11, 3292.	12.8	105
5	Incorporation of polycyclic azaborine compounds into polythiophene-type conjugated polymers for organic field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 17532-17535.	4.1	91
6	Influence of alkyl chain length on the solid-state properties and transistor performance of BN-substituted tetrathienonaphthalenes. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8152-8161.	5.5	89
7	Synthesis, structure and properties of $C_{3\text{-symmetric}}$ heterosuperbenzene with three BN units. <i>Chemical Communications</i> , 2015, 51, 4368-4371.	4.1	82
8	BN-Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10708-10712.	13.8	82
9	Parent $B_{2\text{-}N_{2\text{-}}}$ Perylenes with Different BN Orientations. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23313-23319.	13.8	53
10	Achieving high-performance non-halogenated nonfullerene acceptor-based organic solar cells with 13.7% efficiency via a synergistic strategy of an indacenodithieno[3,2- <i>b</i>]selenophene core unit and non-halogenated thiophene-based terminal group. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24389-24399.	10.3	47
11	Postfunctionalization of BN-Embedded Polycyclic Aromatic Compounds for Fine-Tuning of Their Molecular Properties. <i>Chemistry - A European Journal</i> , 2015, 21, 8867-8873.	3.3	41
12	Efficient Modular Synthesis of Substituted Borazaronaphthalene. <i>Organometallics</i> , 2017, 36, 2479-2482.	2.3	37
13	Parent $B_{2\text{-}N_{2\text{-}}}$ Perylenes with Different BN Orientations. <i>Angewandte Chemie</i> , 2021, 133, 23501.	2.0	33
14	N-Fused BDOPV: a tetralactam derivative as a building block for polymer field-effect transistors. <i>Chemical Communications</i> , 2015, 51, 10514-10516.	4.1	32
15	BN-Embedded Tetrabenzopentacene: A Pentacene Derivative with Improved Stability. <i>Angewandte Chemie</i> , 2019, 131, 10818-10822.	2.0	28
16	Curved BN-embedded nanographene for application in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15420-15425.	10.3	20
17	Epindolidione-Based Conjugated Polymers: Synthesis, Electronic Structures, and Charge Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3714-3718.	8.0	12
18	BN Fused Diazulenyl-Carbazole: Synthesis, Structure, and Properties. <i>Chinese Journal of Chemistry</i> , 2021, 39, 909-912.	4.9	10

#	ARTICLE	IF	CITATIONS
19	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.	3.2	8
20	Lactone-fused electron-deficient building blocks for n-type polymer field-effect transistors: synthesis, properties, and impact of alkyl substitution positions. <i>Polymer Chemistry</i> , 2016, 7, 2264-2271.	3.9	6