Na Zhang

List of Publications by Year
in descending order

29 papers	3,185 citations	304743 22 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	4046 citing authors

#	Article	IF	Citations
1	Nickel-Catalyzed Cross-Couplings Involving Carbonâˆ'Oxygen Bonds. Chemical Reviews, 2011, 111, 1346-1416.	47.7	1,212
2	Single Electron Transfer in Radical Ion and Radical-Mediated Organic, Materials and Polymer Synthesis. Chemical Reviews, 2014, 114, 5848-5958.	47.7	367
3	Rational Design of Porous Conjugated Polymers and Roles of Residual Palladium for Photocatalytic Hydrogen Production. Journal of the American Chemical Society, 2016, 138, 7681-7686.	13.7	364
4	Donorâ€"Acceptor Porous Conjugated Polymers for Photocatalytic Hydrogen Production: The Importance of Acceptor Comonomer. Macromolecules, 2016, 49, 6903-6909.	4.8	129
5	Nickel Catalyzed Cross-Coupling of Aryl Câ€"O Based Electrophiles with Aryl Neopentylglycolboronates. Journal of Organic Chemistry, 2012, 77, 1018-1025.	3.2	89
6	Ni(COD)₂/PCy₃ Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates in THF at Room Temperature. Journal of Organic Chemistry, 2011, 76, 9946-9955.	3.2	88
7	Exploration of Syntheses and Functions of Higher Ladder-type Ï€-Conjugated Heteroacenes. CheM, 2018, 4, 2538-2570.	11.7	85
8	Propeller-Shaped Acceptors for High-Performance Non-Fullerene Solar Cells: Importance of the Rigidity of Molecular Geometry. Chemistry of Materials, 2017, 29, 1127-1133.	6.7	83
9	Exceptional Single-Molecule Transport Properties of Ladder-Type Heteroacene Molecular Wires. Journal of the American Chemical Society, 2016, 138, 10630-10635.	13.7	76
10	Comparison of Arylboron-Based Nucleophiles in Ni-Catalyzed Suzukiâ€"Miyaura Cross-Coupling with Aryl Mesylates and Sulfamates. Journal of Organic Chemistry, 2012, 77, 5956-5964.	3.2	74
11	trans-Chloro(1-Naphthyl)bis(triphenylphosphine)nickel(II)/PCy3Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates at Room Temperature. Journal of Organic Chemistry, 2012, 77, 2885-2892.	3.2	66
12	Zero-Valent Metals Accelerate the Neopentylglycolborylation of Aryl Halides Catalyzed by NiCl₂-Based Mixed-Ligand Systems. Journal of Organic Chemistry, 2010, 75, 7822-7828.	3.2	61
13	Beyond Molecular Wires: Design Molecular Electronic Functions Based on Dipolar Effect. Accounts of Chemical Research, 2016, 49, 1852-1863.	15.6	60
14	Air-Stable Nickel Precatalysts for Fast and Quantitative Cross-Coupling of Aryl Sulfamates with Aryl Neopentylglycolboronates at Room Temperature. Organic Letters, 2014, 16, 6326-6329.	4.6	56
15	Molecular Rectification Tuned by Through-Space Gating Effect. Nano Letters, 2017, 17, 308-312.	9.1	56
16	Two Photon Absorption Study of Low-Bandgap, Fully Conjugated Perylene Diimide-Thienoacene-Perylene Diimide Ladder-Type Molecules. Chemistry of Materials, 2017, 29, 6726-6732.	6.7	55
17	Synthesis of Alternating Donorâ€"Acceptor Ladderâ€Type Molecules and Investigation of Their Multiple Chargeâ€Transfer Pathways. Angewandte Chemie - International Edition, 2018, 57, 6442-6448.	13.8	54
18	Proton-triggered switch based on a molecular transistor with edge-on gate. Chemical Science, 2016, 7, 3137-3141.	7.4	45

#	Article	IF	Citations
19	A Singleâ€Molecular AND Gate Operated with Two Orthogonal Switching Mechanisms. Advanced Materials, 2017, 29, 1701248.	21.0	41
20	An Indefinitely Air-Stable Ïƒ-NiII Precatalyst for Quantitative Cross-Coupling of Unreactive Aryl Halides and Mesylates with Aryl Neopentylglycolboronates. Synthesis, 2016, 48, 2795-2807.	2.3	30
21	Enhancement in Open-Circuit Voltage in Organic Solar Cells by Using Ladder-Type Nonfullerene Acceptors. ACS Applied Materials & Interfaces, 2018, 10, 13528-13533.	8.0	28
22	An Accelerated Modular-Orthogonal Ni-Catalyzed Methodology to Symmetric and Nonsymmetric Constitutional Isomeric AB₂ to AB₉ Dendrons Exhibiting Unprecedented Self-Organizing Principles. Journal of the American Chemical Society, 2021, 143, 17724-17743.	13.7	25
23	NiIICl(1-Naphthyl)(PCy3)2, An Air-Stable Ïƒ-NiII Precatalyst for Quantitative Cross-Coupling of Aryl Câ€“O Electrophiles with Aryl Neopentylglycolboronates. Synthesis, 2016, 48, 2808-2815.	2.3	20
24	Controlled Self-Assembly of Cyclophane Amphiphiles: From 1D Nanofibers to Ultrathin 2D Topological Structures. Macromolecules, 2016, 49, 5172-5178.	4.8	11
25	Synthesis of Alternating Donorâ€“Acceptor Ladderâ€Type Molecules and Investigation of Their Multiple Chargeâ€Transfer Pathways. Angewandte Chemie, 2018, 130, 6552-6558.	2.0	7
26	Molecular Design towards Controlling Charge Transport. Chemistry - A European Journal, 2018, 24, 17180-17187.	3.3	2
27	Frontispiece: Synthesis of Alternating Donorâ€“Acceptor Ladderâ€Type Molecules and Investigation of Their Multiple Chargeâ€Transfer Pathways. Angewandte Chemie - International Edition, 2018, 57, .	13.8	1
28	Frontispiz: Synthesis of Alternating Donorâ€“Acceptor Ladderâ€Type Molecules and Investigation of Their Multiple Chargeâ€Transfer Pathways. Angewandte Chemie, 2018, 130, .	2.0	0
29	Frontispiece: Molecular Design towards Controlling Charge Transport. Chemistry - A European Journal, 2018, 24, .	3.3	0