

Na Zhang

List of Publications by Year in descending order

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29
papers

3,185
citations

304602
22
h-index

526166
27
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35
all docs

35
docs citations

35
times ranked

4046
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Nickel-Catalyzed Cross-Couplings Involving Carbon–Oxygen Bonds. <i>Chemical Reviews</i> , 2011, 111, 1346-1416. | 23.0 | 1,212 |
| 2 | Single Electron Transfer in Radical Ion and Radical-Mediated Organic, Materials and Polymer Synthesis. <i>Chemical Reviews</i> , 2014, 114, 5848-5958. | 23.0 | 367 |
| 3 | Rational Design of Porous Conjugated Polymers and Roles of Residual Palladium for Photocatalytic Hydrogen Production. <i>Journal of the American Chemical Society</i> , 2016, 138, 7681-7686. | 6.6 | 364 |
| 4 | Donor–Acceptor Porous Conjugated Polymers for Photocatalytic Hydrogen Production: The Importance of Acceptor Comonomer. <i>Macromolecules</i> , 2016, 49, 6903-6909. | 2.2 | 129 |
| 5 | Nickel Catalyzed Cross-Coupling of Aryl C–O Based Electrophiles with Aryl Neopentylglycolboronates. <i>Journal of Organic Chemistry</i> , 2012, 77, 1018-1025. | 1.7 | 89 |
| 6 | Ni(COD) ₂ /PCy ₃ Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates in THF at Room Temperature. <i>Journal of Organic Chemistry</i> , 2011, 76, 9946-9955. | 1.7 | 88 |
| 7 | Exploration of Syntheses and Functions of Higher Ladder-type π -Conjugated Heteroacenes. <i>Chem</i> , 2018, 4, 2538-2570. | 5.8 | 85 |
| 8 | Propeller-Shaped Acceptors for High-Performance Non-Fullerene Solar Cells: Importance of the Rigidity of Molecular Geometry. <i>Chemistry of Materials</i> , 2017, 29, 1127-1133. | 3.2 | 83 |
| 9 | Exceptional Single-Molecule Transport Properties of Ladder-Type Heteroacene Molecular Wires. <i>Journal of the American Chemical Society</i> , 2016, 138, 10630-10635. | 6.6 | 76 |
| 10 | Comparison of Arylboron-Based Nucleophiles in Ni-Catalyzed Suzuki–Miyaura Cross-Coupling with Aryl Mesylates and Sulfamates. <i>Journal of Organic Chemistry</i> , 2012, 77, 5956-5964. | 1.7 | 74 |
| 11 | trans-Chloro(1-Naphthyl)bis(triphenylphosphine)nickel(II)/PCy ₃ Catalyzed Cross-Coupling of Aryl and Heteroaryl Neopentylglycolboronates with Aryl and Heteroaryl Mesylates and Sulfamates at Room Temperature. <i>Journal of Organic Chemistry</i> , 2012, 77, 2885-2892. | 1.7 | 66 |
| 12 | Zero-Valent Metals Accelerate the Neopentylglycolborylation of Aryl Halides Catalyzed by NiCl ₂ -Based Mixed-Ligand Systems. <i>Journal of Organic Chemistry</i> , 2010, 75, 7822-7828. | 1.7 | 61 |
| 13 | Beyond Molecular Wires: Design Molecular Electronic Functions Based on Dipolar Effect. <i>Accounts of Chemical Research</i> , 2016, 49, 1852-1863. | 7.6 | 60 |
| 14 | Air-Stable Nickel Precatalysts for Fast and Quantitative Cross-Coupling of Aryl Sulfamates with Aryl Neopentylglycolboronates at Room Temperature. <i>Organic Letters</i> , 2014, 16, 6326-6329. | 2.4 | 56 |
| 15 | Molecular Rectification Tuned by Through-Space Gating Effect. <i>Nano Letters</i> , 2017, 17, 308-312. | 4.5 | 56 |
| 16 | Two Photon Absorption Study of Low-Bandgap, Fully Conjugated Perylene Diimide-Thienoacene-Perylene Diimide Ladder-Type Molecules. <i>Chemistry of Materials</i> , 2017, 29, 6726-6732. | 3.2 | 55 |
| 17 | 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 |
| 18 | Proton-triggered switch based on a molecular transistor with edge-on gate. <i>Chemical Science</i> , 2016, 7, 3137-3141. | 3.7 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | A Single-Molecular AND Gate Operated with Two Orthogonal Switching Mechanisms. <i>Advanced Materials</i> , 2017, 29, 1701248. | 11.1 | 41 |
| 20 | An Indefinitely Air-Stable Ir-NiII Precatalyst for Quantitative Cross-Coupling of Unreactive Aryl Halides and Mesylates with Aryl Neopentylglycolboronates. <i>Synthesis</i> , 2016, 48, 2795-2807. | 1.2 | 30 |
| 21 | Enhancement in Open-Circuit Voltage in Organic Solar Cells by Using Ladder-Type Nonfullerene Acceptors. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13528-13533. | 4.0 | 28 |
| 22 | An Accelerated Modular-Orthogonal Ni-Catalyzed Methodology to Symmetric and Nonsymmetric Constitutional Isomeric AB ₂ to AB ₉ Dendrons Exhibiting Unprecedented Self-Organizing Principles. <i>Journal of the American Chemical Society</i> , 2021, 143, 17724-17743. | 6.6 | 25 |
| 23 | NiII(1-Naphthyl)(PCy ₃) ₂ , An Air-Stable Ir-NiII Precatalyst for Quantitative Cross-Coupling of Aryl C=O Electrophiles with Aryl Neopentylglycolboronates. <i>Synthesis</i> , 2016, 48, 2808-2815. | 1.2 | 20 |
| 24 | Controlled Self-Assembly of Cyclophane Amphiphiles: From 1D Nanofibers to Ultrathin 2D Topological Structures. <i>Macromolecules</i> , 2016, 49, 5172-5178. | 2.2 | 11 |
| 25 | 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 |
| 26 | Molecular Design towards Controlling Charge Transport. <i>Chemistry - A European Journal</i> , 2018, 24, 17180-17187. | 1.7 | 2 |
| 27 | Frontispiece: Synthesis of Alternating Donor-Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie - International Edition</i> , 2018, 57, . | 7.2 | 1 |
| 28 | Frontispiz: Synthesis of Alternating Donor-Acceptor Ladder-Type Molecules and Investigation of Their Multiple Charge-Transfer Pathways. <i>Angewandte Chemie</i> , 2018, 130, . | 1.6 | 0 |
| 29 | Frontispiece: Molecular Design towards Controlling Charge Transport. <i>Chemistry - A European Journal</i> , 2018, 24, . | 1.7 | 0 |