# Bing Lu

List of Publications by Year
in descending order



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|---|---|---|---|
| 37 papers | 869 citations | 516710 16 h-index | 526287 27 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 931 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Electronâ€Transport Materials in Perovskite Solar Cells. Small Methods, 2018, 2, 1800082. | 8.6 | 136 |
| 2 | Synthesis of maleic anhydride grafted polyethylene and polypropylene, with controlled molecular structures. Journal of Polymer Science Part A, 2000, 38, 1337-1343. | 2.3 | 73 |
| 3 | Synthesis of Long Chain Branched Polypropylene with Relatively Well-Defined Molecular Structure. Macromolecules, 1999, 32, 8678-8680. | 4.8 | 61 |
| 4 | Esterification of the Primary Benzylic Câ€“H Bonds with Carboxylic Acids Catalyzed by Ionic Iron(III) Complexes Containing an Imidazolinium Cation. Organic Letters, 2017, 19, 1132-1135. | 4.6 | 50 |
| 5 | Cationic Water-Soluble Pillar[5]arene-Modified Cu<sub>2â€“x</sub>Se Nanoparticles: Supramolecular Trap for ATP and Application in Targeted Photothermal Therapy in the NIR-II Window. ACS Macro Letters, 2020, 9, 1558-1562. | 4.8 | 35 |
| 6 | Recent progress of Yâ€series electron acceptors for organic solar cells. Nano Select, 2021, 2, 2029-2039. | 3.7 | 35 |
| 7 | Determination of hardness for maize kernels based on hyperspectral imaging. Food Chemistry, 2022, 366, 130559. | 8.2 | 35 |
| 8 | Pillar[5]arene-based supramolecular assemblies with two-step sequential fluorescence enhancement for mitochondria-targeted cell imaging. Journal of Materials Chemistry C, 2020, 8, 15622-15625. | 5.5 | 35 |
| 9 | Ultrasensitive photoelectrochemical immunosensor for carcinoembryonic antigen detection based on pillar[5]arene-functionalized Au nanoparticles and hollow PANI hybrid BiOBr heterojunction. Biosensors and Bioelectronics, 2022, 208, 114220. | 10.1 | 31 |
| 10 | pH/ROS dual-responsive supramolecular polypeptide prodrug nanomedicine based on host-guest recognition for cancer therapy. Acta Biomaterialia, 2022, 143, 381-391. | 8.3 | 26 |
| 11 | Enhancing Performance of Fused-Ring Electron Acceptor Using Pyrrole Instead of Thiophene. ACS Applied Materials & Interfaces, 2020, 12, 14029-14036. | 8.0 | 25 |
| 12 | Icing on the cake: combining a dual PEG-functionalized pillararene and an A-D-A small molecule photosensitizer for multimodal phototherapy. Science China Chemistry, 2022, 65, 1134-1141. | 8.2 | 24 |
| 13 | Aâ€“DAâ€²Dâ€“A fused-ring small molecule-based nanoparticles for combined photothermal and photodynamic therapy of cancer. Chemical Communications, 2021, 57, 12020-12023. | 4.1 | 23 |
| 14 | GOx-assisted synthesis of pillar[5]arene based supramolecular polymeric nanoparticles for targeted/synergistic chemo-chemodynamic cancer therapy. Journal of Nanobiotechnology, 2022, 20, 33. | 9.1 | 23 |
| 15 | Nonfullerene electron acceptors with electron-deficient units containing cyano groups for organic solar cells. Materials Chemistry Frontiers, 2021, 5, 5549-5572. | 5.9 | 21 |
| 16 | Z-Shaped Fused-Chrysene Electron Acceptors for Organic Photovoltaics. ACS Applied Materials & Interfaces, 2019, 11, 33006-33011. | 8.0 | 18 |
| 17 | Tumor microenvironment responsive polypeptide-based supramolecular nanoprodrugs for combination therapy. Acta Biomaterialia, 2022, 146, 396-405. | 8.3 | 18 |
| 18 | Pillar[6]arene-based supramolecular polymeric materials constructed via electrostatic interactions for rapid and efficient organic dye removal from water. Nanoscale Advances, 2021, 3, 1906-1909. | 4.6 | 17 |

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|---|---|---|---|
| 19 | Iron-catalyzed esterification of allylic sp 3 Câ€“H bonds with carboxylic acids: Facile access to allylic esters. Tetrahedron Letters, 2017, 58, 2490-2494. | 1.4 | 15 |
| 20 | Total volatile basic nitrogen content in duck meat of different varieties based on calibration maintenance and transfer by use of a near-infrared spectrometric model. Spectroscopy Letters, 2020, 53, 44-54. | 1.0 | 14 |
| 21 | Polydopamineâ€drug conjugate nanocomposites based on <scp>ZIF</scp>â€8 for targeted cancer photothermalâ€chemotherapy. Journal of Biomedical Materials Research - Part A, 2022, 110, 954-963. | 4.0 | 14 |
| 22 | Feasibility of NIR spectroscopy detection of moisture content in coco-peat substrate based on the optimization characteristic variables. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118455. | 3.9 | 13 |
| 23 | Egg freshness prediction using a comprehensive analysis based on visible near infrared spectroscopy. Spectroscopy Letters, 2020, 53, 512-522. | 1.0 | 13 |
| 24 | Rim-differentiated pillar[5]arene based nonporous adaptive crystals. Chemical Communications, 2022, 58, 2480-2483. | 4.1 | 13 |
| 25 | A facile sp 3 Câ€“H bonds amidation of N , N -dimethylanilines by a novel ionic iron(III) complex containing an imino-functionalized imidazolium cation. Tetrahedron Letters, 2016, 57, 4152-4156. | 1.4 | 12 |
| 26 | Enhancing the Stability and Photothermal Conversion Efficiency of ICG by Pillar[5]arene-Based Host-Guest Interaction. Frontiers in Chemistry, 2021, 9, 775436. | 3.6 | 12 |
| 27 | Development of Fe(III)-containing ether-functionalized imidazolium ionic liquids for aryl Grignard cross-coupling of alkyl halides. Science Bulletin, 2013, 58, 3624-3629. | 1.7 | 11 |
| 28 | Intelligent Supramolecular Nanoprodrug Based on Anionic Water-Soluble [2]Biphenyl-Extended-Pillar[6]arenes for Combination Therapy. ACS Macro Letters, 2022, 11, 830-834. | 4.8 | 10 |
| 29 | Calibration Maintenance Application of Near-infrared Spectrometric Model in Food Analysis. Food Reviews International, 2023, 39, 1628-1644. | 8.4 | 9 |
| 30 | Glucose Oxidase Integrated Porphyrinic Covalent Organic Polymers for Combined Photodynamic/Chemodynamic/Starvation Therapy in Cancer Treatment. ACS Biomaterials Science and Engineering, 2022, 8, 1956-1963. | 5.2 | 9 |
| 31 | Precise Synthesis of Fused Decacyclic Electron Acceptor Isomers for Organic Solar Cells. Solar Rrl, 2021, 5, 2100163. | 5.8 | 8 |
| 32 | Platinum(II)-Metallaclip-Based Theranostics for Cell Imaging and Synergetic Chemotherapyâ€“Photodynamic Therapy. Inorganic Chemistry, 2023, 62, 1786-1790. | 4.0 | 8 |
| 33 | Nondestructive discrimination of internal defects in jujube (Huizao) of Xinjiang based on visible and near-infrared spectroscopy. Spectroscopy Letters, 2019, 52, 577-582. | 1.0 | 6 |
| 34 | Fe(III)-catalyzed oxidative coupling of alkylnitriles with aromatic carboxylic acids: Facile access to cyanomethyl esters. Tetrahedron Letters, 2019, 60, 150969. | 1.4 | 6 |
| 35 | Preparation and characterization of <scp>YAG</scp>:Ce thin phosphor films by pulsed laser deposition. International Journal of Applied Ceramic Technology, 2017, 14, 22-30. | 2.1 | 5 |
| 36 | Prediction performance optimization of different resolution and spectral band ranges for characterizing coco-peat substrate available nitrogen. Journal of Soils and Sediments, 2021, 21, 2672-2685. | 3.0 | 3 |

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|---|---|---|---|
| 37 | Chemical synthesis and magnetic properties of nanocrystalline (La0.67â^'X Gd X )Sr0.33MnO3 using amorphous molecular alloy as precursors. Journal Wuhan University of Technology, Materials Science Edition, 2007, 22, 183-186. | 1.0 | 2 |