# Xiaobo Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3624662/publications.pdf

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|---|---|---|---|
| 25 papers | 440 citations | 759233 12 h-index | 752698 20 g-index |
| 25 all docs | 25 docs citations | 25 times ranked | 459 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Binary â€œislandâ€•shaped arrays with high-density hot spots for surface-enhanced Raman scattering substrates. Nanoscale, 2018, 10, 14220-14229. | 5.6 | 48 |
| 2 | Efficient modification of pyrene-derivative featuring third-order nonlinear optics via the click post-functionalization. Tetrahedron Letters, 2013, 54, 4859-4864. | 1.4 | 46 |
| 3 | Energy level tunable pre-click functionalization of [60]fullerene forÂnonlinear optics. Tetrahedron, 2014, 70, 573-577. | 1.9 | 33 |
| 4 | Detection of glucose in diabetic tears by using gold nanoparticles and MXene composite surface-enhanced Raman scattering substrates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 266, 120432. | 3.9 | 33 |
| 5 | Synthesis and application of reversible fluorescent photochromic molecules based on tetraphenylethylene and photochromic groups. New Journal of Chemistry, 2019, 43, 617-621. | 2.8 | 31 |
| 6 | Engineering of Organic Chromophores with Large Second-Order Optical Nonlinearity and Superior Crystal Growth Ability. Crystal Growth and Design, 2015, 15, 5560-5567. | 3.0 | 30 |
| 7 | Click chemistry functionalization improving the wideband optical-limiting performance of fullerene derivatives. Physical Chemistry Chemical Physics, 2016, 18, 7341-7348. | 2.8 | 28 |
| 8 | The application of double click to synthesize a third-order nonlinear polymer containing donorâ€“acceptor chromophores. Polymer Chemistry, 2016, 7, 3714-3721. | 3.9 | 27 |
| 9 | Nonlinear optical properties of the novel kind of organic donor-acceptor thiophene derivatives with click chemistry modification. Tetrahedron, 2017, 73, 6210-6216. | 1.9 | 21 |
| 10 | Application of Nearâ€IR Absorption Porphyrin Dyes Derived from Click Chemistry as Thirdâ€Order Nonlinear Optical Materials. ChemistryOpen, 2016, 5, 71-77. | 1.9 | 16 |
| 11 | Facile synthesis of functional poly(vinylene sulfide)s containing donorâ€“acceptor chromophores by a double click reaction. RSC Advances, 2016, 6, 59327-59332. | 3.6 | 16 |
| 12 | Ladder-type poly(benzopentalene) derivatives with tunable energy levels by â€œclickâ€•reaction. Polymer Chemistry, 2012, 3, 914. | 3.9 | 14 |
| 13 | Research Progress of Cholesteric Liquid Crystals with Broadband Reflection. Molecules, 2022, 27, 4427. | 3.8 | 14 |
| 14 | Large-sized benzo[e]indolium salt single crystals with high optical nonlinearity. CrystEngComm, 2019, 21, 5626-5632. | 2.6 | 12 |
| 15 | Silica aerogel films via ambient pressure drying for broadband reflectors. New Journal of Chemistry, 2018, 42, 6525-6531. | 2.8 | 11 |
| 16 | Third-order nonlinear optical properties of the â€œclickedâ€•closed-ring spiropyrans. Dyes and Pigments, 2019, 162, 451-458. | 3.7 | 11 |
| 17 | Energy-level tuning of poly(p-phenylenebutadiynylene) derivatives by click chemistry-type postfunctionalization of side-chain alkynes. Reactive and Functional Polymers, 2016, 105, 114-121. | 4.1 | 10 |
| 18 | Double-click synthesis of polysiloxane third-order nonlinear optical polymers with donorâ€“acceptor chromophores. Polymer Chemistry, 2020, 11, 3046-3053. | 3.9 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The temperature range and optical properties of the liquid crystalline blue phase in inverse opal structures. Journal of Materials Chemistry C, 2018, 6, 11071-11077. | 5.5 | 6 |
| 20 | Epoxy Vitrimer Based on Temperatureâ€Responsive Pure Organic Room Temperature Phosphorescent Materials. ChemistrySelect, 2022, 7, . | 1.5 | 6 |
| 21 | Quantification of uric acid concentration in tears by using PDMS inverse opal structure surface-enhanced Raman scattering substrates: Application in hyperuricemia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 278, 121326. | 3.9 | 6 |
| 22 | Vitrimer enhanced carbazole-based organic room-temperature phosphorescent materials. New Journal of Chemistry, 2021, 46, 276-281. | 2.8 | 5 |
| 23 | An Electrically and Thermally Erasable Liquid Crystal Film Containing NIR Absorbent Carbon Nanotube. Molecules, 2022, 27, 562. | 3.8 | 5 |
| 24 | Acridine-based dyes as high-performance near-infrared Raman reporter molecules for cell imaging. RSC Advances, 2022, 12, 3380-3385. | 3.6 | 2 |
| 25 | Self-assembly and cellular distribution of a series of transformable peptides. Journal of Materials Chemistry B, 2022, 10, 3886-3894. | 5.8 | 1 |