

Bai-Liang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6940773/publications.pdf>

Version: 2024-02-01

24
papers

2,113
citations

361045

20
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

2143
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulating Lignin-Based Epoxy Vitrimer Performance by Fine-Tuning the Lignin Structure. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1117-1125.	2.0	32
2	Microdesigned Nanocellulose-Based Flexible Antibacterial Aerogel Architectures Impregnated with Bioactive <i>Cinnamomum cassia</i> . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4874-4885.	4.0	20
3	New Kind of Lignin/Polyhydroxyurethane Composite: Green Synthesis, Smart Properties, Promising Applications, and Good Reprocessability and Recyclability. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 28938-28948.	4.0	64
4	Sustainable alternative for bisphenol A epoxy resin high-performance and recyclable lignin-based epoxy vitrimers. <i>Industrial Crops and Products</i> , 2021, 168, 113583.	2.5	56
5	Mixed-Acid-Assisted Hydrothermal Process for Simultaneous Preparation and Carboxylation of Needle-Shaped Cellulose Nanocrystals. <i>ACS Applied Polymer Materials</i> , 2020, 2, 548-562.	2.0	14
6	One-step hydrothermal synthesis of a flexible nanopaper-based Fe ³⁺ sensor using carbon quantum dot grafted cellulose nanofibrils. <i>Cellulose</i> , 2020, 27, 729-742.	2.4	33
7	Efficient dissolution of lignin in novel ternary deep eutectic solvents and its application in polyurethane. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 480-488.	3.6	17
8	Green Process for Extraction of Lignin by the Microwave-Assisted Ionic Liquid Approach: Toward Biomass Biorefinery and Lignin Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 13062-13072.	3.2	68
9	Photoluminescent lignin hybridized carbon quantum dots composites for bioimaging applications. <i>International Journal of Biological Macromolecules</i> , 2019, 122, 954-961.	3.6	92
10	Near-infrared emissive lanthanide hybridized nanofibrillated cellulose nanopaper as ultraviolet filter. <i>Carbohydrate Polymers</i> , 2018, 186, 176-183.	5.1	17
11	Near-infrared and visible dual emissive transparent nanopaper based on Yb(III)-carbon quantum dots grafted oxidized nanofibrillated cellulose for anti-counterfeiting applications. <i>Cellulose</i> , 2018, 25, 377-389.	2.4	60
12	Lewis acid-catalyzed biphasic 2-methyltetrahydrofuran/H ₂ O pretreatment of lignocelluloses to enhance cellulose enzymatic hydrolysis and lignin valorization. <i>Bioresource Technology</i> , 2018, 270, 55-61.	4.8	42
13	Hydrolytic depolymerization of corn cob lignin in the view of a bio-based rigid polyurethane foam synthesis. <i>RSC Advances</i> , 2017, 7, 6123-6130.	1.7	30
14	Ethanol organosolv lignin as a reactive filler for acrylamide-based hydrogels. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	22
15	Producing Lignin-Based Polyols through Microwave-Assisted Liquefaction for Rigid Polyurethane Foam Production. <i>Materials</i> , 2015, 8, 586-599.	1.3	73
16	Structural elucidation of inhomogeneous lignins from bamboo. <i>International Journal of Biological Macromolecules</i> , 2015, 77, 250-259.	3.6	83
17	Lignin-Based Rigid Polyurethane Foam Reinforced with Pulp Fiber: Synthesis and Characterization. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 1474-1480.	3.2	176
18	Lignin-based polyurethane film reinforced with cellulose nanocrystals. <i>RSC Advances</i> , 2014, 4, 36089-36096.	1.7	21

#	ARTICLE	IF	CITATIONS
19	Unmasking the structural features and property of lignin from bamboo. <i>Industrial Crops and Products</i> , 2013, 42, 332-343.	2.5	215
20	Recent Advances in Characterization of Lignin Polymer by Solution-State Nuclear Magnetic Resonance (NMR) Methodology. <i>Materials</i> , 2013, 6, 359-391.	1.3	591
21	Polyols production by chemical modification of autocatalyzed ethanol-water lignin from <i>Betula alnoides</i> . <i>Journal of Applied Polymer Science</i> , 2013, 129, 434-442.	1.3	17
22	Quantitative structural characterization of the lignins from the stem and pith of bamboo (<i>Phyllostachys pubescens</i>). <i>Holzforschung</i> , 2013, 67, 613-627.	0.9	170
23	Quantitative structural characterization and thermal properties of birch lignins after autocatalyzed organosolv pretreatment and enzymatic hydrolysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 1663-1671.	1.6	100
24	Unveiling the Structural Heterogeneity of Bamboo Lignin by In Situ HSQC NMR Technique. <i>Bioenergy Research</i> , 2012, 5, 886-903.	2.2	100