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Lignin-based polyurethane doped with carbon nanotubes for sensor applications

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#	Paper	IF	Citations
42	Electrochemical impedance study of the lignin-derived conducting polymer. <i>Electrochimica Acta</i> , 2012 , 76, 69-76	6.7	30
41	Potentiometric chemical sensors from lignin-poly(propylene oxide) copolymers doped by carbon nanotubes. <i>Analyst, The</i> , 2013 , 138, 501-8	5	23
40	Separation and Uses of Lignin. 2013 , 357-380		2
39	Functionalized Polymers from Lignocellulosic Biomass: State of the Art. <i>Polymers</i> , 2013 , 5, 600-642	4.5	52
38	Nanoparticles from renewable polymers. <i>Frontiers in Chemistry</i> , 2014 , 2, 49	5	64
37	Progress in Green Polymer Composites from Lignin for Multifunctional Applications: A Review. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 1072-1092	8.3	878
36	Biodegradable lignin nanocontainers. <i>RSC Advances</i> , 2014 , 4, 11661-11663	3.7	130
35	Industrial Lignins: Analysis, Properties, and Applications. 2014 , 315-336		81
34	Lignin-xylaric acid-polyurethane-based polymer network systems: Preparation and characterization. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	29
33	Applications of Modified and Unmodified Lignins. 2015 , 247-288		5
32	High bio-content polyurethane composites with urethane modified lignin as filler. <i>Polymer</i> , 2015 , 69, 52-57	3.9	86
31	Lignopolyurethanic materials based on oxypropylated sodium lignosulfonate and castor oil blends. <i>Industrial Crops and Products</i> , 2015 , 72, 77-86	5.9	46
30	Lignin Reinforcement in Thermosets Composites. 2016 , 119-151		10
29	Change Spectroscopic, thermal and mechanical studies of PU/PVC blends. <i>Physica B: Condensed Matter</i> , 2016 , 495, 4-10	2.8	39
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27	One pot synthesis of environmentally friendly lignin nanoparticles with compressed liquid carbon dioxide as an antisolvent. <i>Green Chemistry</i> , 2016 , 18, 2129-2146	10	101
26	Novel method for the preparation of lignin-rich nanoparticles from lignocellulosic fibers. <i>Industrial Crops and Products</i> , 2017 , 103, 152-160	5.9	41

25	Nanoscale hygromechanical behavior of lignin. <i>Cellulose</i> , 2018 , 25, 6345-6360	5.5	11
24	A review of integration strategies of lignocelluloses and other wastes in 1st generation bioethanol processes. <i>Process Biochemistry</i> , 2018 , 75, 173-186	4.8	48
23	Waste Biorefinery. 2019 , 35-52		13
22	Lignin-Based Adhesives and Coatings. 2019 , 153-206		10
21	Green synthesized materials for sensor, actuator, energy storage and energy generation: a review. <i>Polymer-Plastics Technology and Materials</i> , 2020 , 59, 1-62	1.5	14
20	Improving the economy of lignocellulose-based biorefineries with organosolv pretreatment. <i>Bioresource Technology</i> , 2020 , 299, 122695	11	66
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18	Preface to Special Issue of ChemSusChem on Lignin Valorization: From Theory to Practice. <i>ChemSusChem</i> , 2020 , 13, 4175-4180	8.3	2
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16	Recovery of High Purity Lignin and Digestible Cellulose from Oil Palm Empty Fruit Bunch Using Low Acid-Catalyzed Organosolv Pretreatment. <i>Agronomy</i> , 2020 , 10, 674	3.6	17
15	Valorization of Lignin as a Sustainable Component of Structural Materials and Composites: Advances from 2011 to 2019. <i>Sustainability</i> , 2020 , 12, 734	3.6	31
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12	Lignin Based Flexible Electromagnetic Shielding PU Synergized with Graphite. <i>Fibers and Polymers</i> , 2021 , 22, 1-8	2	7
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4	Bioprospecting lignin biomass into environmentally friendly polymersApplied perspective to reconcile sustainable circular bioeconomy. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	3
3	Carbon nanotube-based materials for environmental remediation processes. 2022 , 475-513		0
2	The efficient detection of Fe 3+ by sulfonamidated lignin composite carbon quantum dots.		0
1	Recent advances in pharmaceutical and biotechnological applications of lignin-based materials. 2023 , 241, 124601		0