

Ngoc A Nguyen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

2,397
citations

21
h-index

45
g-index

45
ext. papers

2,881
ext. citations

6.2
avg, IF

4.81
L-index

#	Paper	IF	Citations
43	The use of elemental sulfur as an alternative feedstock for polymeric materials. <i>Nature Chemistry</i> , 2013 , 5, 518-24	17.6	748
42	New infrared transmitting material via inverse vulcanization of elemental sulfur to prepare high refractive index polymers. <i>Advanced Materials</i> , 2014 , 26, 3014-8	24	215
41	Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur for Healable Infrared Optical Materials. <i>ACS Macro Letters</i> , 2015 , 4, 862-866	6.6	130
40	Inverse vulcanization of elemental sulfur with 1,4-diphenylbutadiyne for cathode materials in LiS batteries. <i>RSC Advances</i> , 2015 , 5, 24718-24722	3.7	114
39	High Refractive Index Copolymers with Improved Thermomechanical Properties via the Inverse Vulcanization of Sulfur and 1,3,5-Triisopropenylbenzene. <i>ACS Macro Letters</i> , 2016 , 5, 1152-1156	6.6	107
38	Softwood Lignin-Based Methacrylate Polymers with Tunable Thermal and Viscoelastic Properties. <i>Macromolecules</i> , 2016 , 49, 1286-1295	5.5	105
37	Inverse vulcanization of elemental sulfur and styrene for polymeric cathodes in Li-S batteries. <i>Journal of Polymer Science Part A</i> , 2017 , 55, 107-116	2.5	101
36	Preparation of Dynamic Covalent Polymers via Inverse Vulcanization of Elemental Sulfur. <i>ACS Macro Letters</i> , 2014 , 3, 1258-1261	6.6	94
35	Organic/Inorganic Hybrid Block Copolymer Electrolytes with Nanoscale Ion-Conducting Channels for Lithium Ion Batteries. <i>Macromolecules</i> , 2012 , 45, 9347-9356	5.5	93
34	A general method to improve 3D-printability and inter-layer adhesion in lignin-based composites. <i>Applied Materials Today</i> , 2018 , 12, 138-152	6.6	83
33	A path for lignin valorization via additive manufacturing of high-performance sustainable composites with enhanced 3D printability. <i>Science Advances</i> , 2018 , 4, eaat4967	14.3	74
32	Multivalency in healable supramolecular polymers: the effect of supramolecular cross-link density on the mechanical properties and healing of non-covalent polymer networks. <i>Polymer Chemistry</i> , 2014 , 5, 3680-3688	4.9	65
31	Syringyl Methacrylate, a Hardwood Lignin-Based Monomer for High- Polymeric Materials. <i>ACS Macro Letters</i> , 2016 , 5, 574-578	6.6	60
30	Perylene as an electron-rich moiety in healable, complementary π -stacked, supramolecular polymer systems. <i>Polymer</i> , 2015 , 69, 293-300	3.9	51
29	Rigid Oligomer from Lignin in Designing of Tough, Self-Healing Elastomers. <i>ACS Macro Letters</i> , 2018 , 7, 1328-1332	6.6	36
28	Shear-Induced Solution Crystallization of Poly(3-hexylthiophene) (P3HT). <i>Macromolecules</i> , 2014 , 47, 3343-3349	3.3	30
27	Synthesis, self-assembly and reversible healing of supramolecular perfluoropolyethers. <i>Journal of Polymer Science Part A</i> , 2013 , 51, 3598-3606	2.5	27

26	Supertough PLA-Silane Nanohybrids by in Situ Condensation and Grafting. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1289-1298	8.3	27
25	An AcrylonitrileButadieneLignin Renewable Skin with Programmable and Switchable Electrical Conductivity for Stress/Strain-Sensing Applications. <i>Macromolecules</i> , 2018 , 51, 115-127	5.5	24
24	A Solvent-Free Synthesis of Lignin-Derived Renewable Carbon with Tunable Porosity for Supercapacitor Electrodes. <i>ChemSusChem</i> , 2018 , 11, 2953-2959	8.3	23
23	Enthalpy of fusion of poly(3-hexylthiophene) by differential scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1469-1475	2.6	22
22	Controlled Assembly of Lignocellulosic Biomass Components and Properties of Reformed Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8044-8052	8.3	18
21	Rheology, crystal structure, and nanomechanical properties in large-scale additive manufacturing of polyphenylene sulfide/carbon fiber composites. <i>Composites Science and Technology</i> , 2018 , 168, 263-271	8.6	18
20	Mechanical, thermal, morphological, and rheological characteristics of high performance 3D-printing lignin-based composites for additive manufacturing applications. <i>Data in Brief</i> , 2018 , 19, 936-950	1.2	16
19	Using tapered interfaces to manipulate nanoscale morphologies in ion-doped block polymers. <i>MRS Communications</i> , 2015 , 5, 251-256	2.7	15
18	A fundamental understanding of whole biomass dissolution in ionic liquid for regeneration of fiber by solution-spinning. <i>Green Chemistry</i> , 2019 , 21, 4354-4367	10	14
17	Tunable Electromechanical Liquid Crystal Elastomer Actuators. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000022	6	13
16	Manipulating the glass transition behavior of sulfonated polystyrene by functionalized nanoparticle inclusion. <i>Nanoscale</i> , 2015 , 7, 8864-72	7.7	10
15	Correlation between morphology and device performance of pBTTT:PC71BM solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 155, 387-396	6.4	9
14	Roll-to-Roll Processing of Silicon Carbide Nanoparticle-Deposited Carbon Fiber for Multifunctional Composites. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26576-26585	9.5	8
13	A comparative study on the morphology of P3HT:PCBM solar cells with the addition of Fe ₃ O ₄ nanoparticles by spin and rod coating methods. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	7
12	Responsive lignin for shape memory applications. <i>Polymer</i> , 2019 , 160, 210-222	3.9	7
11	Effects of graphene surface functionalities towards controlled reinforcement of a lignin based renewable thermoplastic rubber. <i>Composites Science and Technology</i> , 2020 , 199, 108352	8.6	6
10	Recycling Waste Polyester via Modification with a Renewable Fatty Acid for Enhanced Processability. <i>ACS Omega</i> , 2018 , 3, 10709-10715	3.9	6
9	An Ionomeric Renewable Thermoplastic from Lignin-Reinforced Rubber. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1900059	4.8	5

8	Kinetics and Mechanism of Poly(3-hexylthiophene) Crystallization in Solution under Shear Flow. <i>Macromolecules</i> , 2020 , 53, 5795-5804	5.5	4
7	Device performance enhancement of polymer solar cells by nanoparticle self-assembly. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 160, 126-133	6.4	4
6	Method To Synthesize Micronized Spherical Carbon Particles from Lignin. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 9-17	3.9	4
5	A tough and sustainable fiber-forming material from lignin and waste poly(ethylene terephthalate).. <i>RSC Advances</i> , 2019 , 9, 31202-31211	3.7	3
4	Data of thermally active lignin-linkages and shape memory of lignin-rubber composites. <i>Data in Brief</i> , 2019 , 22, 392-399	1.2	1
3	Reduced Graphene Oxide Aerogels with Functionalization-Mediated Disordered Stacking for Sodium-Ion Batteries. <i>Batteries</i> , 2022 , 8, 12	5.7	0
2	Brush-Painted Solar Cells from Pre-Crystallized Components in a Nonhalogenated Solvent System Prepared by a Simple Stirring Technique. <i>Macromolecules</i> , 2020 , 53, 8276-8285	5.5	0
1	Thermal Analysis of Semiconducting Polymer Crystals Free of a Mobile Amorphous Fraction. <i>Macromolecules</i> , 2021 , 54, 2155-2161	5.5	