

Edgar Guti rrez-Fern ndez

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

415
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citing authors

#	ARTICLE	IF	CITATIONS
1	Y6 Organic Thin-Film Transistors with Electron Mobilities of $2.4 \text{ cm}^2/\text{Vs}$ via Microstructural Tuning. <i>Advanced Science</i> , 2022, 9, e2104977.	11.2	16
2	Semi-paracrystallinity in semi-conducting polymers. <i>Materials Horizons</i> , 2022, 9, 1196-1206.	12.2	18
3	Comparing the microstructure and photovoltaic performance of 3 perylene imide acceptors with similar energy levels but different packing tendencies. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1698-1710.	5.5	7
4	Gold(III) Porphyrin Was Used as an Electron Acceptor for Efficient Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11708-11717.	8.0	11
5	Photophysical and structural modulation of poly(3-hexylthiophene) nanoparticles via surfactant-polymer interaction. <i>Polymer</i> , 2021, 218, 123515.	3.8	8
6	Preparation, Physical Properties, and Applications of Water-Based Functional Polymer Inks. <i>Polymers</i> , 2021, 13, 1419.	4.5	4
7	Straightforward Patterning of Functional Polymers by Sequential Nanosecond Pulsed Laser Irradiation. <i>Nanomaterials</i> , 2021, 11, 1123.	4.1	7
8	Polymorphism in Non-Fullerene Acceptors Based on Indacenodithienothiophene. <i>Advanced Functional Materials</i> , 2021, 31, 2103784.	14.9	33
9	Photoinduced Resist-free Imprinting (PRI) in fullerene thin films as revealed by Grazing Incidence Small-angle X-ray scattering. <i>Applied Surface Science</i> , 2021, 548, 149254.	6.1	0
10	Influence of Backbone Curvature on the Organic Electrochemical Transistor Performance of Glycolated Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19679-19684.	13.8	29
11	Influence of Backbone Curvature on the Organic Electrochemical Transistor Performance of Glycolated Donor-Acceptor Conjugated Polymers. <i>Angewandte Chemie</i> , 2021, 133, 19831-19836.	2.0	2
12	Polyethylene three-dimensional nano-networks: How lateral chains affect metamaterial formation. <i>Polymer</i> , 2021, 212, 123145.	3.8	7
13	The Importance of Quantifying the Composition of the Amorphous Intermixed Phase in Organic Solar Cells. <i>Advanced Materials</i> , 2020, 32, e2005241.	21.0	21
14	Self-assembly of block copolymers under non-isothermal annealing conditions as revealed by grazing-incidence small-angle X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1278-1288.	2.4	5
15	Fully Biobased Superpolymers of 2,5-Furandicarboxylic Acid with Different Functional Properties: From Rigid to Flexible, High Performant Packaging Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9558-9568.	6.7	88
16	Laser nanostructuring of thin films of PEDOT:PSS on ITO: Morphology, molecular structure and electrical properties. <i>Applied Surface Science</i> , 2020, 509, 145350.	6.1	8
17	Structure dependent photostability of ITIC and ITIC-4F. <i>Materials Advances</i> , 2020, 1, 2846-2861.	5.4	25
18	Evidence of a 2D-Ordered Structure in Biobased Poly(pentamethylene furanoate) Responsible for Its Outstanding Barrier and Mechanical Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17863-17871.	6.7	47

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19	Morphology and Ferroelectric Properties of Semiconducting/Ferroelectric Polymer Bilayers. <i>Macromolecules</i> , 2019, 52, 7396-7402.	4.8	12
20	Functional nanostructured surfaces induced by laser on fullerene thin films. <i>Applied Surface Science</i> , 2019, 476, 668-675.	6.1	7
21	Synergistic Effect of Fullerenes on the Laser-Induced Periodic Surface Structuring of Poly(3-Hexyl) Tj ETQq1 1 0.784314 rgBT /Overloc 4.5	4.5	5
22	Quantitative assessment by local probe methods of the mechanical and electrical properties of inkjet-printed PEDOT:PSS thin films over Indium Tin Oxide substrates. <i>Organic Electronics</i> , 2019, 70, 258-263.	2.6	8
23	Structure Development in Polymers during Fused Filament Fabrication (FFF): An in Situ Small- and Wide-Angle X-ray Scattering Study Using Synchrotron Radiation. <i>Macromolecules</i> , 2019, 52, 9715-9723.	4.8	45
24	Confinement effects in one-dimensional nanoarrays of polymer semiconductors and their photovoltaic blends. <i>Polymer</i> , 2019, 163, 13-19.	3.8	2