

Jasper J Michels

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,280
citations

471509

17
h-index

361022

35
g-index

42
all docs

42
docs citations

42
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting Morphologies of Solution Processed Polymer:Fullerene Blends. Journal of the American Chemical Society, 2013, 135, 12057-12067.	13.7	274
2	Elimination of charge carrier trapping in diluted semiconductors. Nature Materials, 2016, 15, 628-633.	27.5	134
3	Ferroelectric Phase Diagram of PVDF:PMMA. Macromolecules, 2012, 45, 7477-7485.	4.8	99
4	Electron Trapping in Conjugated Polymers. Chemistry of Materials, 2019, 31, 6380-6386.	6.7	70
5	Hierarchically Structured Porous Piezoelectric Polymer Nanofibers for Energy Harvesting. Advanced Science, 2020, 7, 2000517.	11.2	55
6	Processing and Low Voltage Switching of Organic Ferroelectric Phase-Separated Bistable Diodes. Advanced Functional Materials, 2012, 22, 2750-2757.	14.9	52
7	Simulation of Surface-Directed Phase Separation in a Solution-Processed Polymer/PCBM Blend. Macromolecules, 2013, 46, 8693-8701.	4.8	51
8	Structuring of Thin-Film Polymer Mixtures upon Solvent Evaporation. Macromolecules, 2016, 49, 6858-6870.	4.8	48
9	Thermodynamic approach to tailor porosity in piezoelectric polymer fibers for application in nanogenerators. Nano Energy, 2019, 62, 594-600.	16.0	46
10	Surface Directed Phase Separation of Semiconductor Ferroelectric Polymer Blends and their Use in Non-Volatile Memories. Advanced Functional Materials, 2015, 25, 278-286.	14.9	44
11	The block copolymer shuffle in size exclusion chromatography: the intrinsic problem with using elugrams to determine chain extension success. Polymer Chemistry, 2021, 12, 2522-2531.	3.9	37
12	Prevention of short circuits in solution-processed OLED devices. Organic Electronics, 2014, 15, 1166-1172.	2.6	33
13	Structuring of polymer solutions upon solvent evaporation. Physical Review E, 2015, 91, 022602.	2.1	32
14	Processing of ferroelectric polymers for microelectronics: from morphological analysis to functional devices. Journal of Materials Chemistry C, 2017, 5, 10490-10497.	5.5	31
15	Predictive modelling of structure formation in semiconductor films produced by meniscus-guided coating. Nature Materials, 2021, 20, 68-75.	27.5	27
16	Charge carrier trapping controlled by polymer blend phase dynamics. Journal of Materials Chemistry C, 2017, 5, 3042-3048.	5.5	26
17	Dynamic Surface Enrichment in Drying Thin-Film Binary Polymer Solutions. Macromolecules, 2017, 50, 5914-5919.	4.8	22
18	Quantifying the Kinetics of the Gilch Polymerization toward Alkoxy-Substituted Poly(p-phenylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	18

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19	Active Control of Evaporative Solution Deposition by Modulated Infrared Illumination. <i>Journal of Physical Chemistry C</i> , 2012, 116, 12038-12047.	3.1	16
20	Efficiency enhancement of polyfluorene: Polystyrene blend light-emitting diodes by simultaneous trap dilution and I ² -phase formation. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	15
21	Optimized Charge Transport in Molecular Semiconductors by Control of Fluid Dynamics and Crystallization in Meniscus-Guided Coating. <i>Advanced Functional Materials</i> , 2022, 32, 2107976.	14.9	15
22	Self-Poled Sausage-Like PVDF Nanowires Produced by Confined Phase Inversion as Novel Piezoelectric Nanogenerators. <i>Advanced Materials Interfaces</i> , 2021, 8, 2001734.	3.7	14
23	Synthesis of Precision Poly(1,3-adamantylene alkylene)s via Acyclic Diene Metathesis Polycondensation. <i>Macromolecules</i> , 2019, 52, 4483-4491.	4.8	13
24	Role of Linker Functionality in Polymers Exhibiting Main-Chain Thermally Activated Delayed Fluorescence. <i>Advanced Science</i> , 2022, 9, e2200056.	11.2	13
25	Exploring Disordered Morphologies of Blends and Block Copolymers for Light-Emitting Diodes with Mesoscopic Simulations. <i>Macromolecules</i> , 2020, 53, 523-538.	4.8	12
26	Repair of defects in photoactive layer of organic solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2015, 134, 334-339.	6.2	11
27	Green and stable processing of organic light-emitting diodes from aqueous nanodispersions. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6528-6535.	5.5	10
28	Visualization of trap dilution in polyfluorene based light-emitting diodes. <i>AIP Advances</i> , 2017, 7, 075209.	1.3	9
29	Suppression of electron trapping by quantum dot emitters using a grafted polystyrene shell. <i>Materials Horizons</i> , 2019, 6, 2024-2031.	12.2	8
30	Revisiting Solvent Additives for the Fabrication of Polymer:Fullerene Solar Cells: Exploring a Series of Benzaldehydes. <i>Solar Rrl</i> , 2021, 5, 2100238.	5.8	8
31	Full Quantification of the Light-Mediated Gilch Polymerization. <i>Macromolecules</i> , 2018, 51, 4678-4687.	4.8	7
32	Role of Solvent Compatibility in the Phase Behavior of Binary Solutions of Weakly Associating Multivalent Polymers. <i>Biomacromolecules</i> , 2022, 23, 349-364.	5.4	7
33	Radical-Triggered Reaction Mechanism of the Green-to-Red Photoconversion of EosFP. <i>Journal of Physical Chemistry B</i> , 2020, 124, 7765-7778.	2.6	5
34	Trap-Assisted Triplet Emission in Ladder-Polymer-Based Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2020, 6, 2000082.	5.1	5
35	Relation between Spherulitic Growth, Molecular Organization, and Charge Carrier Transport in Meniscus-Guided Coated Organic Semiconducting Films. <i>Advanced Electronic Materials</i> , 2021, 7, 2100397.	5.1	5
36	Direct synthesis of light-emitting triblock copolymers from RAFT polymerization. <i>Polymer Chemistry</i> , 2021, 12, 216-225.	3.9	4

#	ARTICLE	IF	CITATIONS
37	Liquid structuring in fluoropolymer solutions induced by water. , 2022, , 357-373.		1
38	Amphiphilic conjugated block copolymers as NIR-bioimaging probes. Polymer Chemistry, 2022, 13, 2057-2064.	3.9	0