Jonathan Onorato

List of Publications by Year in descending order

27 papers	1,425 citations	471509 17 h-index	552781 26 g-index
27 all docs	27 docs citations	27 times ranked	1740 citing authors

#	Article	IF	Citations
1	The Effects of Crystallinity on Charge Transport and the Structure of Sequentially Processed F₄TCNQâ€Doped Conjugated Polymer Films. Advanced Functional Materials, 2017, 27, 1702654.	14.9	190
2	Polymer Crystallinity Controls Water Uptake in Glycol Side-Chain Polymer Organic Electrochemical Transistors. Journal of the American Chemical Society, 2019, 141, 4345-4354.	13.7	179
3	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemicalÂtransistors. Nature Materials, 2017, 16, 737-742.	27.5	143
4	Influence of Side-Chain Chemistry on Structure and Ionic Conduction Characteristics of Polythiophene Derivatives: A Computational and Experimental Study. Chemistry of Materials, 2019, 31, 1418-1429.	6.7	84
5	Structure and design of polymers for durable, stretchable organic electronics. Polymer Journal, 2017, 49, 41-60.	2.7	80
6	Low Elastic Modulus and High Charge Mobility of Low-Crystallinity Indacenodithiophene-Based Semiconducting Polymers for Potential Applications in Stretchable Electronics. Macromolecules, 2018, 51, 6352-6358.	4.8	80
7	Assessing the Huangâ€“Brown Description of Tie Chains for Charge Transport in Conjugated Polymers. ACS Macro Letters, 2018, 7, 1333-1338.	4.8	79
8	A Reversible Structural Phase Transition by Electrochemically-Driven Ion Injection into a Conjugated Polymer. Journal of the American Chemical Society, 2020, 142, 7434-7442.	13.7	74
9	Spectral Signatures and Spatial Coherence of Bound and Unbound Polarons in P3HT Films: Theory Versus Experiment. Journal of Physical Chemistry C, 2018, 122, 18048-18060.	3.1	70
10	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
11	Morphological effects on polymeric mixed ionic/electronic conductors. Molecular Systems Design and Engineering, 2019, 4, 310-324.	3.4	46
12	Determination of the Molecular Weight of Conjugated Polymers with Diffusion-Ordered NMR Spectroscopy. Chemistry of Materials, 2018, 30, 570-576.	6.7	44
13	Dynamic reaction-induced phase separation in tunable, adaptive covalent networks. Chemical Science, 2020, 11, 5028-5036.	7.4	41
14	An indacenodithiophene-based semiconducting polymer with high ductility for stretchable organic electronics. Polymer Chemistry, 2017, 8, 5185-5193.	3.9	38
15	Complex Relationship between Side-Chain Polarity, Conductivity, and Thermal Stability in Molecularly Doped Conjugated Polymers. Chemistry of Materials, 2021, 33, 741-753.	6.7	36
16	Unraveling the Effect of Conformational and Electronic Disorder in the Charge Transport Processes of Semiconducting Polymers. Advanced Functional Materials, 2018, 28, 1804142.	14.9	34
17	Elucidating the Influence of Side-Chain Circular Distribution on the Crack Onset Strain and Hole Mobility of Near-Amorphous Indacenodithiophene Copolymers. Macromolecules, 2020, 53, 7511-7518.	4.8	25
18	Side chain engineering control of mixed conduction in oligoethylene glycol-substituted polythiophenes. Journal of Materials Chemistry A, 2021, 9, 21410-21423.	10.3	25

#	Article	IF	Citations
19	The Role of Tie Chains on the Mechanoâ€Electrical Properties of Semiconducting Polymer Films. Advanced Electronic Materials, 2020, 6, 1901070.	5.1	21
20	Role of Postdeposition Thermal Annealing on Intracrystallite and Intercrystallite Structuring and Charge Transport in Poly(3-hexylthiophene). ACS Applied Materials & Interfaces, 2021, 13, 999-1007.	8.0	19
21	Impact of varying side chain structure on organic electrochemical transistor performance: a series of oligoethylene glycol-substituted polythiophenes. Journal of Materials Chemistry A, 2022, 10, 10738-10749.	10.3	18
22	In Situ Studies of the Swelling by an Electrolyte in Electrochemical Doping of Ethylene Glycol-Substituted Polythiophene. ACS Applied Materials & Interfaces, 2022, 14, 29052-29060.	8.0	13
23	Correlating conductivity and Seebeck coefficient to doping within crystalline and amorphous domains in poly(3â€(methoxyethoxyethoxy)thiophene). Journal of Polymer Science, 2021, 59, 2797-2808.	3.8	11
24	Generalizable Framework for Algorithmic Interpretation of Thin Film Morphologies in Scanning Probe Images. Journal of Chemical Information and Modeling, 2020, 60, 3387-3397.	5.4	10
25	Ionic Dopantâ€Induced Ordering Enhances the Thermoelectric Properties of a Polythiopheneâ€Based Block Copolymer. Advanced Functional Materials, 2021, 31, 2106991.	14.9	5
26	Algorithmically extracted morphology descriptions for predicting device performance. Computational Materials Science, 2021, 197, 110599.	3.0	4
27	Enhanced miscibility and strain resistance of blended elastomer/Ï€â€conjugated polymer composites through side chain functionalization towards stretchable electronics. Polymer International, 2020, 69, 308-316.	3.1	3