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	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
2	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
3	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
4	Algorithmically extracted morphology descriptions for predicting device performance. Computational Materials Science, 2021, 197, 110599.	3.0	4
5	Ionic Dopantâ€Induced Ordering Enhances the Thermoelectric Properties of a Polythiopheneâ€Based Block Copolymer. Advanced Functional Materials, 2021, 31, 2106991.	14.9	5
6	Side chain engineering control of mixed conduction in oligoethylene glycol-substituted polythiophenes. Journal of Materials Chemistry A, 2021, 9, 21410-21423.	10.3	25
7	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
8	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
9	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
10	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
11	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
12	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
13	The Role of Tie Chains on the Mechanoâ€Electrical Properties of Semiconducting Polymer Films. Advanced Electronic Materials, 2020, 6, 1901070.	5.1	21
14	P-Type Electrochemical Doping Can Occur by Cation Expulsion in a High-Performing Polymer for Organic Electrochemical Transistors. , 2020, 2, 254-260.		53
15	Dynamic reaction-induced phase separation in tunable, adaptive covalent networks. Chemical Science, 2020, 11, 5028-5036.	7.4	41
16	Morphological effects on polymeric mixed ionic/electronic conductors. Molecular Systems Design and Engineering, 2019, 4, 310-324.	3.4	46
17	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
18	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

#	Article	IF	Citations
19	Determination of the Molecular Weight of Conjugated Polymers with Diffusion-Ordered NMR Spectroscopy. Chemistry of Materials, 2018, 30, 570-576.	6.7	44
20	Assessing the Huangâ€“Brown Description of Tie Chains for Charge Transport in Conjugated Polymers. ACS Macro Letters, 2018, 7, 1333-1338.	4.8	79
21	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
22	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
23	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
24	An indacenodithiophene-based semiconducting polymer with high ductility for stretchable organic electronics. Polymer Chemistry, 2017, 8, 5185-5193.	3.9	38
25	Electrochemical strain microscopy probes morphology-induced variations in ion uptake and performance in organic electrochemicalÂtransistors. Nature Materials, 2017, 16, 737-742.	27.5	143
26	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
27	Structure and design of polymers for durable, stretchable organic electronics. Polymer Journal, 2017, 49, 41-60.	2.7	80