

# Terry R McAfee

## List of Publications by Year in descending order

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24  
papers

1,412  
citations

1040056

9  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

2199  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orientational Ordering within Semiconducting Polymer Fibrils. <i>Advanced Functional Materials</i> , 2021, 31, 2102522.	14.9	3
2	Evidence That Sharp Interfaces Suppress Recombination in Thick Organic Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 56394-56403.	8.0	3
3	Absolute intensity calibration for carbon-edge soft X-ray scattering. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 1601-1608.	2.4	4
4	Coupling of NMR to ACOMP for Terpolymerization Monitoring and Control. <i>Macromolecular Reaction Engineering</i> , 2019, 13, 1900039.	1.5	4
5	Quantitative relations between interaction parameter, miscibility and function in organic solar cells. <i>Nature Materials</i> , 2018, 17, 253-260.	27.5	556
6	Automatic, simultaneous control of polymer composition and molecular weight during free radical copolymer synthesis. <i>Polymer</i> , 2018, 136, 235-247.	3.8	8
7	Online Optimal Feedback Control of Polymerization Reactors: Application to Polymerization of Acrylamide-Water-Potassium Persulfate (KPS) System. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7322-7335.	3.7	14
8	Automatic Synthesis of Multimodal Polymers. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1600072.	1.5	11
9	Temperature controlled interlayer disorder in ultrathin films of 1,4-sexithiophene. <i>Thin Solid Films</i> , 2017, 642, 182-187.	1.8	2
10	Monitoring Charge Separation Processes in Quasi-One-Dimensional Organic Crystalline Structures. <i>Nano Letters</i> , 2017, 17, 6056-6061.	9.1	5
11	Automatic Control of Polymer Molecular Weight during Synthesis. <i>Macromolecules</i> , 2016, 49, 7170-7183.	4.8	27
12	Morphological, Optical, and Electronic Consequences of Coexisting Crystal Orientations in $\beta^2$ -Copper Phthalocyanine Thin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18616-18621.	3.1	15
13	Intrinsic Charge Trapping Observed as Surface Potential Variations in diF-TES-ADT Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21490-21496.	8.0	2
14	Growth of thermally stable crystalline $C_{60}$ films on flat-lying copper phthalocyanine. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1028-1032.	10.3	2
15	Organic Solar Cells: Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC <sub>71</sub> BM Organic Solar Cells ( <i>Adv. Energy Mater.</i> )	10.784314	14
16	Thin Films: Tuning Local Molecular Orientation-Composition Correlations in Binary Organic Thin Films by Solution Shearing ( <i>Adv. Funct. Mater.</i> 21/2015). <i>Advanced Functional Materials</i> , 2015, 25, 3106-3106.	14.9	0
17	Influence of Processing Parameters and Molecular Weight on the Morphology and Properties of High-Performance PffBT4T-2OD:PC <sub>71</sub> BM Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1501400.	19.5	166
18	High-Performance Non-Fullerene Polymer Solar Cells Based on a Pair of Donor-Acceptor Materials with Complementary Absorption Properties. <i>Advanced Materials</i> , 2015, 27, 7299-7304.	21.0	230

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19	Tuning Open-Circuit Voltage in Organic Solar Cells with Molecular Orientation. ACS Applied Materials & Interfaces, 2015, 7, 13208-13216.	8.0	64
20	Tuning Local Molecular Orientation—Composition Correlations in Binary Organic Thin Films by Solution Shearing. Advanced Functional Materials, 2015, 25, 3131-3137.	14.9	29
21	Disruption of Molecular Ordering over Several Layers near the Au/2,8-Difluoro-5,11-bis(triethylsilylethynyl) Anthradithiophene Interface. Crystal Growth and Design, 2015, 15, 822-828.	3.0	3
22	Toward Single-Crystal Hybrid-Carbon Electronics: Impact of Graphene Substrate Defect Density on Copper Phthalocyanine Film Growth. Crystal Growth and Design, 2014, 14, 4394-4401.	3.0	7
23	Mobility-Controlled Performance of Thick Solar Cells Based on Fluorinated Copolymers. Journal of the American Chemical Society, 2014, 136, 15566-15576.	13.7	249
24	Thermally Induced Dewetting in Ultrathin C <sub>60</sub> Films on Copper Phthalocyanine. Journal of Physical Chemistry C, 2013, 117, 26007-26012.	3.1	3