

David Xi Cao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

430
citations

10
h-index

12
g-index

12
ext. papers

588
ext. citations

14.6
avg, IF

3.68
L-index

#	Paper	IF	Citations
12	Understanding and Countering Illumination-Sensitive Dark Current: Toward Organic Photodetectors with Reliable High Detectivity. <i>ACS Nano</i> , 2021 , 15, 1753-1763	16.7	16
11	The importance of sulfonate to the self-doping mechanism of the water-soluble conjugated polyelectrolyte PCPDTBT-SO ₃ K. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3556-3566	7.8	16
10	Organic Electrochemical Transistors Based on the Conjugated Polyelectrolyte PCPDTBT-SO ₃ K (CPE-K). <i>Advanced Materials</i> , 2020 , 32, e1908120	24	27
9	A High-Performance Solution-Processed Organic Photodetector for Near-Infrared Sensing. <i>Advanced Materials</i> , 2020 , 32, e1906027	24	138
8	Excited State Dynamics of a Self-Doped Conjugated Polyelectrolyte. <i>Advanced Functional Materials</i> , 2020 , 30, 1906148	15.6	12
7	Visualization of Charge Transfer from Bacteria to a Self-Doped Conjugated Polymer Electrode Surface Using Conductive Atomic Force Microscopy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40778-40785	9.5	3
6	Conductive Polymer Work Function Changes due to Residual Water: Impact of Temperature-Dependent Dielectric Constant. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000408	6.4	3
5	Towards understanding the doping mechanism of organic semiconductors by Lewis acids. <i>Nature Materials</i> , 2019 , 18, 1327-1334	27	85
4	Atomic-Level Insight into the Postsynthesis Band Gap Engineering of a Lewis Base Polymer Using Lewis Acid Tris(pentafluorophenyl)borane. <i>Chemistry of Materials</i> , 2019 , 31, 6715-6725	9.6	23
3	Quantifying the Nongeminate Recombination Dynamics in Nonfullerene Bulk Heterojunction Organic Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1901438	21.8	71
2	Effect of Alkyl-Chain Length on Charge Transport Properties of Organic Semiconductors and Organic Field-Effect Transistors. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800175	6.4	14
1	Bimetallic iron-iron and iron-zinc complexes of the redox-active ONO pincer ligand. <i>Chemical Science</i> , 2016 , 7, 1594-1599	9.4	22