

John R Tumbleston

List of Publications by Year in descending order

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43
papers

7,040
citations

186254

28
h-index

289230

40
g-index

44
all docs

44
docs citations

44
times ranked

8495
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Behavior of As-Fabricated and UV-Cured Lattice Structures Printed Using the CLIP Technology. , 2017, , .		0
2	Single-Step Fabrication of Computationally Designed Microneedles by Continuous Liquid Interface Production. PLoS ONE, 2016, 11, e0162518.	2.5	162
3	Mechanical Response of Different Lattice Structures Fabricated Using the CLIP Technology. , 2016, , .		0
4	Layerless fabrication with continuous liquid interface production. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11703-11708.	7.1	228
5	Origins of polarization-dependent anisotropic X-ray scattering from organic thin films. Journal of Synchrotron Radiation, 2016, 23, 219-227.	2.4	26
6	Continuous liquid interface production of 3D objects. Science, 2015, 347, 1349-1352.	12.6	1,617
7	Importance of Domain Purity and Molecular Packing in Efficient Solution-Processed Small-Molecule Solar Cells. Advanced Materials, 2015, 27, 1105-1111.	21.0	160
8	Topographic measurement of buried thin-film interfaces using a grazing resonant soft x-ray scattering technique. Physical Review B, 2014, 90, .	3.2	15
9	Controlling Molecular Weight of a High Efficiency Donor-Acceptor Conjugated Polymer and Understanding Its Significant Impact on Photovoltaic Properties. Advanced Materials, 2014, 26, 4456-4462.	21.0	190
10	The influence of molecular orientation on organic bulk heterojunction solar cells. Nature Photonics, 2014, 8, 385-391.	31.4	439
11	Quantification of Nano- and Mesoscale Phase Separation and Relation to Donor and Acceptor Quantum Efficiency, J_{sc} , and FF in Polymer:Fullerene Solar Cells. Advanced Materials, 2014, 26, 4234-4241.	21.0	127
12	Understanding the Morphology of PTB7:PCBM Blends in Organic Photovoltaics. Advanced Energy Materials, 2014, 4, 1301377.	19.5	203
13	On the Efficiency of Charge Transfer State Splitting in Polymer:Fullerene Solar Cells. Advanced Materials, 2014, 26, 2533-2539.	21.0	106
14	Organic Solar Cells: On the Efficiency of Charge Transfer State Splitting in Polymer:Fullerene Solar Cells (Adv. Mater. 16/2014). Advanced Materials, 2014, 26, 2607-2607.	21.0	0
15	Photovoltaics: Quantification of Nano- and Mesoscale Phase Separation and Relation to Donor and Acceptor Quantum Efficiency, J_{sc} , and FF in Polymer:Fullerene Solar Cells (Adv.) Tj ETQq1 1 0.784014 rgBT / Overlaid	21.0	101
16	Mobility-Controlled Performance of Thick Solar Cells Based on Fluorinated Copolymers. Journal of the American Chemical Society, 2014, 136, 15566-15576.	13.7	249
17	Morphology linked to miscibility in highly amorphous semi-conducting polymer/fullerene blends. Polymer, 2014, 55, 4884-4889.	3.8	32
18	Quantifying Charge Extraction in Organic Solar Cells: The Case of Fluorinated PCPDTBT. Journal of Physical Chemistry Letters, 2014, 5, 1131-1138.	4.6	88

#	ARTICLE	IF	CITATIONS
37	Electro-optical model of photonic crystal bulk heterojunction organic solar cells. , 2010, , .		0
38	Suppression of bimolecular recombination by UV-sensitive electron transport layers in organic solar cells. Journal of Applied Physics, 2010, 108, 083101.	2.5	7
39	Nonideal parasitic resistance effects in bulk heterojunction organic solar cells. Journal of Applied Physics, 2010, 108, 084514.	2.5	25
40	Analyzing local exciton generation profiles as a means to extract transport lengths in organic solar cells. Physical Review B, 2010, 82, .	3.2	16
41	Electrophotonic enhancement of bulk heterojunction organic solar cells through photonic crystal photoactive layer. Applied Physics Letters, 2009, 94, .	3.3	73
42	Photonic Crystal Geometry for Organic Solar Cells. Nano Letters, 2009, 9, 2742-2746.	9.1	221
43	Absorption and quasiguided mode analysis of organic solar cells with photonic crystal photoactive layers. Optics Express, 2009, 17, 7670.	3.4	93