

Jacobus J Van Franeker

List of Publications by Year in descending order

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16
papers

1,526
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

3187
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulating Phase Separation during Spin Coating of a Polymer–Fullerene Blend: A Joint Computational and Experimental Investigation. <i>ACS Applied Energy Materials</i> , 2018, 1, 725-735.	5.1	34
2	Energy Level Tuning of Poly(phenylene–dithienobenzothiadiazole)s for Low Photon Energy Loss Solar Cells. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600502.	2.2	19
3	Monitoring Thermal Annealing of Perovskite Solar Cells with In Situ Photoluminescence. <i>Advanced Energy Materials</i> , 2017, 7, 1601822.	19.5	59
4	2-Methoxyethanol as a new solvent for processing methylammonium lead halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2346-2354.	10.3	92
5	Sub–Micrometer Structure Formation during Spin Coating Revealed by Time–Resolved In Situ Laser and X–Ray Scattering. <i>Advanced Functional Materials</i> , 2017, 27, 1702516.	14.9	35
6	High open circuit voltage polymer solar cells enabled by employing thiazoles in semiconducting polymers. <i>Polymer Chemistry</i> , 2016, 7, 5730-5738.	3.9	32
7	Dichotomous Role of Exciting the Donor or the Acceptor on Charge Generation in Organic Solar Cells. <i>Journal of the American Chemical Society</i> , 2016, 138, 10026-10031.	13.7	67
8	Structure–property relationships for bis-diketopyrrolopyrrole molecules in organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 10532-10541.	10.3	30
9	Effect of side chain length on the charge transport, morphology, and photovoltaic performance of conjugated polymers in bulk heterojunction solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1855-1866.	10.3	74
10	The effect of branching in a semiconducting polymer on the efficiency of organic photovoltaic cells. <i>Chemical Communications</i> , 2016, 52, 92-95.	4.1	14
11	Depositing Fullerenes in Swollen Polymer Layers via Sequential Processing of Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500464.	19.5	48
12	Wide–Bandgap Benzodithiophene–Benzothiadiazole Copolymers for Highly Efficient Multijunction Polymer Solar Cells. <i>Advanced Materials</i> , 2015, 27, 4461-4468.	21.0	99
13	A real-time study of the benefits of co-solvents in polymer solar cell processing. <i>Nature Communications</i> , 2015, 6, 6229.	12.8	287
14	The Importance of Moisture in Hybrid Lead Halide Perovskite Thin Film Fabrication. <i>ACS Nano</i> , 2015, 9, 9380-9393.	14.6	451
15	Polymer Solar Cells: Solubility Controls Fiber Network Formation. <i>Journal of the American Chemical Society</i> , 2015, 137, 11783-11794.	13.7	133
16	Controlling the Dominant Length Scale of Liquid–Liquid Phase Separation in Spin–coated Organic Semiconductor Films. <i>Advanced Functional Materials</i> , 2015, 25, 855-863.	14.9	52