Toshihiko Kaji

List of Publications by Year
in descending order

42 papers	1,151 citations	567281 15 h-index	377865 34 g-index
42 all docs	42 docs citations	42 times ranked	1896 citing authors

#	Article	IF	Citations
1	Conjugated organic framework with three-dimensionally ordered stable structure and delocalized ï€ clouds. Nature Communications, 2013, 4, 2736.	12.8	528
2	Microscopic mechanisms behind the high mobility in rubrene single-crystal transistors as revealed by field-induced electron spin resonance. Physical Review B, 2011, 83, .	3.2	64
3	Conduction-type control of fullerene films from n- to p-type by molybdenum oxide doping. Applied Physics Letters, 2011, 98, 073311.	3.3	52
4	Near infrared light driven organic p-i-n solar cells incorporating phthalocyanine J-aggregate. Applied Physics Letters, 2011, 98, 023302.	3.3	50
5	Bandgap Science for Organic Solar Cells. Electronics (Switzerland), 2014, 3, 351-380.	3.1	47
6	Coâ€evaporant Induced Crystalline Donor: Acceptor Blends in Organic Solar Cells. Advanced Materials, 2011, 23, 3320-3325.	21.0	46
7	Organic Singleâ€Crystal Schottky Gate Transistors. Advanced Materials, 2009, 21, 3689-3693.	21.0	38
8	pn-homojunction formation in single fullerene films. AIP Advances, 2011, 1, .	1.3	27
9	Doping-based control of the energetic structure of photovoltaic co-deposited films. Applied Physics Letters, 2011, 99, 133301.	3.3	21
10	Origin of Carrier Types in Intrinsic Organic Semiconductors. Advanced Materials, 2008, 20, 2084-2089.	21.0	18
11	pn-control and pn-homojunction formation of metal-free phthalocyanine by doping. AIP Advances, 2012, 2, .	1.3	18
12	Tandem organic solar cells formed in co-deposited films by doping. Organic Electronics, 2013, 14, 1793-1796.	2.6	18
13	Direct detection of density of gap states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:mn>60</mml:mn></mml:msub></mml:math>single crystals by photoemission spectroscopy. Physical Review B, 2015, 92, .	3.2	18
14	Tandem photovoltaic cells formed in single fullerene films by impurity doping. Applied Physics Letters, 2012, 101, 233303.	3.3	17
15	Hybrid perovskite solar cells fabricated from guanidine hydroiodide and tin iodide. Scientific Reports, 2017, 7, 4969.	3.3	16
16	Invertible Organic Photovoltaic Cells with Heavily Doped Organic/Metal Ohmic Contacts. Applied Physics Express, 2012, 5, 092302.	2.4	15
17	Fluorine Substitution of Hexa-peri-hexabenzocoronene: Change in Growth Mode and Electronic Structure. Journal of Physical Chemistry C, 2009, 113, 6202-6207.	3.1	13
18	Mapping of band-bending for doped C₆₀films. Applied Physics Express, 2014, 7, 071601.	2.4	13

#	Article	IF	Citations
19	Molecular Orientation and Electronic Structure of Epitaxial Bucky Ferrocene (Fe(C60(CH3)5)C5H5) Thin Films. Journal of Physical Chemistry B, 2004, 108, 9914-9918.	2.6	12
20	pn-homojunction organic solar cells formed in phase-separated co-deposited films. Applied Physics Letters, 2013, 103, .	3.3	11
21	Solvent-Dependent Properties and Higher-Order Structures of Aryl Alcohol + Surfactant Molecular Gels. Langmuir, 2016, 32, 4352-4360.	3.5	11
22	Junction Formation by Doping in H₂Pc:C₆₀Co-Evaporated Films for Solar Cell Application. Molecular Crystals and Liquid Crystals, 2013, 581, 13-17.	0.9	10
23	Tuning of Barrier Parameters of n-Type Schottky Junctions in Photovoltaic Co-Deposited Films by Doping. Applied Physics Express, 2013, 6, 012301.	2.4	10
24	Ionization sensitization of doping in co-deposited organic semiconductor films. Applied Physics Letters, 2014, 105, .	3.3	9
25	Structural studies of the codeposited i â€layer of ZnPc:C₆₀p â€i â€n solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 637-639.	0.8	7
26	Ultra-Thick Organic Pigment Layer Up to 10 Î¼m Activated by Crystallization in Organic Photovoltaic Cells. Frontiers in Energy Research, 2020, 8, .	2.3	7
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37	Morphology of Rare-earth (Y, Sm) Nanostructures Synthesized by the Surfactant-assembled Method. Chemistry Letters, 2010, 39, 974-975.	1.3	2
38	Evaluation of Barrier Width by Low-Frequency Capacitance Measurements for MoO₃-dopedp-Type C₆₀Films. Molecular Crystals and Liquid Crystals, 2013, 579, 1-4.	0.9	1
39	Publisher's Note: Direct detection of density of gap states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>C</mml:mtext><mml:mn>60</mml:mn></mml:msub> crystals by photoemission spectroscopy [Phys. Rev. B92, 115102 (2015)]. Physical Review B, 2015, 92, .	3.2	0
40	Enhancing the photocurrent in high-photovoltage organic solar cells by doping. Japanese Journal of Applied Physics, 2015, 54, 111601.	1.5	0
41	Organic photovoltaic cell using near-infrared absorbing nickel complex. Japanese Journal of Applied Physics, 2018, 57, 03EJ05.	1.5	0
42	OPV with a Crystalline Organic Pigment Active Layer Up to 10ÂÎ¼m. , 2021, , 75-87.		0