

Toshihiko Kaji

List of Publications by Year in descending order

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Version: 2024-02-01

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 | OPV with a Crystalline Organic Pigment Active Layer Up to 10 ^{1/4} μm. , 2021, , 75-87. | | 0 |
| 2 | Ultra-Thick Organic Pigment Layer Up to 10 ^{1/4} μm Activated by Crystallization in Organic Photovoltaic Cells. <i>Frontiers in Energy Research</i> , 2020, 8, . | 2.3 | 7 |
| 3 | Organic photovoltaic cell using near-infrared absorbing nickel complex. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03EJ05. | 1.5 | 0 |
| 4 | Synthesis of Optically Clear Molecular Organogels Comprising Phenol and Surfactants of Sulfosuccinic Acid Derivatives. <i>Chemistry Letters</i> , 2017, 46, 1361-1364. | 1.3 | 5 |
| 5 | Hybrid perovskite solar cells fabricated from guanidine hydroiodide and tin iodide. <i>Scientific Reports</i> , 2017, 7, 4969. | 3.3 | 16 |
| 6 | Solvent-Dependent Properties and Higher-Order Structures of Aryl Alcohol + Surfactant Molecular Gels. <i>Langmuir</i> , 2016, 32, 4352-4360. | 3.5 | 11 |
| 7 | Emission properties of [Eu(hfa) ₃ (phen)] and [Eu(hfa) ₃ (TPPO) ₂] dispersed in a fibrous network comprising p-chlorophenol + AOT organogels. <i>Journal of Molecular Liquids</i> , 2016, 217, 51-56. | 4.9 | 5 |
| 8 | Publisher's Note: Direct detection of density of gap states in C_{60} single crystals by photoemission spectroscopy [<i>Phys. Rev. B</i> 92 , 115102 (2015)]. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 0 |
| 9 | Enhancing the photocurrent in high-photovoltage organic solar cells by doping. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 111601. | 1.5 | 0 |
| 10 | Direct detection of density of gap states in C_{60} single crystals by photoemission spectroscopy. <i>Physical Review B</i> , 2015, 92, . | 3.2 | 18 |
| 11 | Mapping of band-bending in organic <i>pn</i> -homojunctions. <i>Journal of Applied Physics</i> , 2015, 117, 125501. | 2.5 | 6 |
| 12 | Degradation in organic solar cells under illumination and electrical stresses in air. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 122303. | 1.5 | 6 |
| 13 | Ionization sensitization of doping in co-deposited organic semiconductor films. <i>Applied Physics Letters</i> , 2014, 105, . | 3.3 | 9 |
| 14 | Mapping of band-bending for doped C_{60} films. <i>Applied Physics Express</i> , 2014, 7, 071601. | 2.4 | 13 |
| 15 | Bandgap Science for Organic Solar Cells. <i>Electronics (Switzerland)</i> , 2014, 3, 351-380. | 3.1 | 47 |
| 16 | Structures of Naphthol-“AOT Self-assembly Organogels and Their Applications to Dispersing Media of Rare-earth Complexes. <i>Chemistry Letters</i> , 2014, 43, 1861-1863. | 1.3 | 6 |
| 17 | Tandem organic solar cells formed in co-deposited films by doping. <i>Organic Electronics</i> , 2013, 14, 1793-1796. | 2.6 | 18 |
| 18 | Conjugated organic framework with three-dimensionally ordered stable structure and delocalized π clouds. <i>Nature Communications</i> , 2013, 4, 2736. | 12.8 | 528 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Evaluation of Barrier Width by Low-Frequency Capacitance Measurements for MoO ₃ -doped p-Type C ₆₀ Films. Molecular Crystals and Liquid Crystals, 2013, 579, 1-4. | 0.9 | 1 |
| 20 | Junction Formation by Doping in H ₂ Pc:C ₆₀ Co-Evaporated Films for Solar Cell Application. Molecular Crystals and Liquid Crystals, 2013, 581, 13-17. | 0.9 | 10 |
| 21 | Effect of Co-evaporant Induced Crystallization on Needle Growth of Phthalocyanine Thin Films. Molecular Crystals and Liquid Crystals, 2013, 578, 63-67. | 0.9 | 6 |
| 22 | Double Co-deposited Layered Organic Photovoltaic Cells with Sensitivity from Visible to Near-Infrared Regions. Japanese Journal of Applied Physics, 2013, 52, 04CR06. | 1.5 | 4 |
| 23 | Improvement of Photovoltaic Characteristics by MoO ₃ Doping of Thick Hole-Transporting Films. Japanese Journal of Applied Physics, 2013, 52, 04CR12. | 1.5 | 5 |
| 24 | p-n-homojunction organic solar cells formed in phase-separated co-deposited films. Applied Physics Letters, 2013, 103, . | 3.3 | 11 |
| 25 | 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 |
| 26 | p-n control and p-n-homojunction formation of metal-free phthalocyanine by doping. AIP Advances, 2012, 2, . | 1.3 | 18 |
| 27 | Tandem photovoltaic cells formed in single fullerene films by impurity doping. Applied Physics Letters, 2012, 101, 233303. | 3.3 | 17 |
| 28 | Invertible Organic Photovoltaic Cells with Heavily Doped Organic/Metal Ohmic Contacts. Applied Physics Express, 2012, 5, 092302. | 2.4 | 15 |
| 29 | Conduction-type control of fullerene films from n- to p-type by molybdenum oxide doping. Applied Physics Letters, 2011, 98, 073311. | 3.3 | 52 |
| 30 | p-n-homojunction formation in single fullerene films. AIP Advances, 2011, 1, . | 1.3 | 27 |
| 31 | Structural studies of the codeposited layer of ZnPc:C ₆₀ p-n solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 637-639. | 0.8 | 7 |
| 32 | Co-evaporant Induced Crystalline Donor: Acceptor Blends in Organic Solar Cells. Advanced Materials, 2011, 23, 3320-3325. | 21.0 | 46 |
| 33 | Near infrared light driven organic p-i-n solar cells incorporating phthalocyanine J-aggregate. Applied Physics Letters, 2011, 98, 023302. | 3.3 | 50 |
| 34 | 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 |
| 35 | Doping-based control of the energetic structure of photovoltaic co-deposited films. Applied Physics Letters, 2011, 99, 133301. | 3.3 | 21 |
| 36 | Morphology of Rare-earth (Y, Sm) Nanostructures Synthesized by the Surfactant-assembled Method. Chemistry Letters, 2010, 39, 974-975. | 1.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Organic Single-Crystal Schottky Gate Transistors. <i>Advanced Materials</i> , 2009, 21, 3689-3693. | 21.0 | 38 |
| 38 | Fluorine Substitution of Hexa- <i>peri</i> -hexabenzocoronene: Change in Growth Mode and Electronic Structure. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6202-6207. | 3.1 | 13 |
| 39 | Origin of Carrier Types in Intrinsic Organic Semiconductors. <i>Advanced Materials</i> , 2008, 20, 2084-2089. | 21.0 | 18 |
| 40 | Electron Spectroscopy of Dye-Sensitized Anatase(001) Surfaces Under Illumination. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 455, 317-325. | 0.9 | 3 |
| 41 | | | |