

Akinori Saeki

List of Publications by Year in descending order

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362
papers

16,755
citations

15466

65
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21474

114
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382
all docs

382
docs citations

382
times ranked

15685
citing authors

#	ARTICLE	IF	CITATIONS
1	An Expanded 2D Fused Aromatic Network with 90° Ring Hexagons. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	14
2	Quantifying the optimal thickness in polymer:fullerene solar cells from the analysis of charge transport dynamics and photoabsorption. <i>Sustainable Energy and Fuels</i> , 2022, 6, 756-765.	2.5	4
3	Manipulation of charge carrier flow in Bi ₄ NbO ₈ /Cl nanoplate photocatalyst with metal loading. <i>Chemical Science</i> , 2022, 13, 3118-3128.	3.7	17
4	A phenothiazine-fused electroactive bilayer helicene: design, synthesis, ACQ-to-AIE transformation and photophysical properties. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5173-5182.	2.7	10
5	Synthesis of the C ₇₀ Fragment Buckybowl, Homosumanene, and Heterahomosumanenes via Ring-Expansion Reactions from Sumanenone. <i>Journal of Organic Chemistry</i> , 2022, 87, 2508-2519.	1.7	10
6	Diketopyrrolopyrrole-Based Chlorinated Bithiophene Polymers for Organic Solar Cells: Effect of Thiophene or Pyridine Flank. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2086-2094.	2.0	4
7	Synthesis and Strong π - π Interaction of Hexaazatriphenylene Derivatives with Alternating Electron-Withdrawing and -Donating Groups. <i>Chemistry - an Asian Journal</i> , 2022, , .	1.7	2
8	Photoexcited charge manipulation in conjugated polymers bearing a Ru(scp) complex catalyst for visible-light CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 19821-19828.	5.2	3
9	Combinatorial Exploration of Monovalent Metals (M, M ²⁺) in Alkali, 11th-, and 13th-Group Elements toward (M/M ²⁺)-Bi/Sb-I Solar Cells. <i>ACS Applied Energy Materials</i> , 2022, 5, 6291-6301.	2.5	1
10	Multivariate Analysis of Mixed Ternary and Quaternary A-Site Organic Cations in Tin Iodide Perovskite Solar Cells. , 2022, 4, 1124-1131.		9
11	Structurally directed thienylenevinylene self-assembly for improved charge carrier mobility: 2D sheets vs. 1D fibers. <i>Chemical Communications</i> , 2022, 58, 6837-6840.	2.2	7
12	Exploration of charge transport materials to improve the radiation tolerance of lead halide perovskite solar cells. <i>Materials Advances</i> , 2022, 3, 4861-4869.	2.6	4
13	Improved water oxidation activity of a Sillón SrBi ₃ O ₄ Cl ₃ photocatalyst by flux method with an appropriate binary-component molten salt. <i>Sustainable Energy and Fuels</i> , 2022, 6, 3263-3270.	2.5	1
14	Slip-Stacking of Benzothiadiazole Can Provide a Robust Structural Motif for Porous Hydrogen-Bonded Organic Frameworks. <i>Crystal Growth and Design</i> , 2022, 22, 4472-4479.	1.4	2
15	Machine Learning-Assisted Polymer Design for Improving the Performance of Non-Fullerene Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28936-28944.	4.0	14
16	Unprecedented Wavelength Dependence of an Antimony Chalcogenide Photovoltaic Device. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	4
17	A hydrogen-bonded organic framework based on redox-active tri(dithiolyldiene)cyclohexanetrione. <i>Chemical Communications</i> , 2021, 57, 1157-1160.	2.2	9
18	Understanding charge transport in wavy 2D covalent organic frameworks. <i>Nanoscale</i> , 2021, 13, 6829-6833.	2.8	14

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19	Thiophene-Fused Naphthodiphospholes: Modulation of the Structural and Electronic Properties of Polycyclic Aromatics by Precise Fusion of Heteroles. <i>ChemPlusChem</i> , 2021, 86, 130-136.	1.3	2
20	Antisolvent treatment of copper(i) thiocyanate (CuSCN) hole transport layer for efficiency improvements in organic solar cells and light-emitting diodes. <i>Journal of Materials Chemistry C</i> , 2021, 9, 10435-10442.	2.7	13
21	Experiment-Oriented Machine Learning of Polymer:Non-Fullerene Organic Solar Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2011168.	7.8	42
22	Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie</i> , 2021, 133, 10029-10034.	1.6	9
23	Interpenetrated 3D Covalent Organic Frameworks from Distorted Polycyclic Aromatic Hydrocarbons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9941-9946.	7.2	65
24	Two-Step Conformational Control of a Dibenzo Diazacyclooctane Derivative by Stepwise Protonation. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1377-1381.	1.3	4
25	Photoconductive Coordination Polymer with a Lead-Sulfur Two-Dimensional Coordination Sheet Structure. <i>Inorganic Chemistry</i> , 2021, 60, 5436-5441.	1.9	4
26	Mobility Relaxation of Holes and Electrons in Polymer:Fullerene and Polymer-Non-Fullerene Acceptor Solar Cells. <i>ChemSusChem</i> , 2021, 14, 3528-3534.	3.6	7
27	Layered Perovskite Oxyiodide with Narrow Band Gap and Long Lifetime Carriers for Water Splitting Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 8446-8453.	6.6	46
28	Impact of Sequential Fluorination of Donor and/or Acceptor Polymers on the Efficiency and Morphology of All-Polymer Solar Cells. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2759-2767.	2.0	10
29	Electron Beam Irradiation of Lead Halide Perovskite Solar Cells: Dedoping of Organic Hole Transport Materials despite Hardness of the Perovskite Layer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24824-24832.	4.0	8
30	(Invited) Optoelectronic and Dielectric Properties of Organic Cation Tin-Based Perovskite Solar Cells. <i>ECS Meeting Abstracts</i> , 2021, MA2021-01, 729-729.	0.0	0
31	Self-Assembled Organic Cations-Assisted Band-Edge Tailoring in Bismuth-Based Perovskites for Enhanced Visible Light Absorption and Photoconductivity. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5758-5764.	2.1	7
32	Machine Learning: Experiment-Oriented Machine Learning of Polymer:Non-Fullerene Organic Solar Cells (<i>Adv. Funct. Mater.</i> 23/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170168.	7.8	1
33	Redox-Active Tin Metal-Organic Framework with a Thiolate-Based Ligand. <i>Inorganic Chemistry</i> , 2021, 60, 12691-12695.	1.9	10
34	Tin(II) thiocyanate Sn(SCN) ₂ as an ultrathin anode interlayer in organic photovoltaics. <i>Applied Physics Letters</i> , 2021, 119, 063301.	1.5	4
35	Machine Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie</i> , 2021, 133, 23405.	1.6	0
36	Machine Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23217-23224.	7.2	12

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37	Bi ₄ AO ₆ Cl ₂ (A = Ba, Sr, Ca) with Double and Triple Fluorite Layers for Visible-Light Water Splitting. <i>Inorganic Chemistry</i> , 2021, 60, 15667-15674.	1.9	4
38	Mixed lead-tin perovskite films with $>7 \times 10^7$ s charge carrier lifetimes realized by maltol post-treatment. <i>Chemical Science</i> , 2021, 12, 13513-13519.	3.7	36
39	Conduction Band Control of Oxyhalides with a Triple-Fluorite Layer for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 2491-2499.	6.6	52
40	A structural parameter to link molecular geometry to macroscopic orientation in discotic liquid crystals: study of metalloporphyrin tapes. <i>Chemical Communications</i> , 2021, 57, 1206-1209.	2.2	4
41	Earth-abundant iron species serves as a cocatalyst boosting the multielectron reduction of IO ₃ ⁻ /I ⁻ redox shuttle in Z-scheme photocatalytic water splitting. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11718-11725.	5.2	8
42	Frontispiece: Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0
43	Frontispiz: Machine-Learning-Assisted Selective Synthesis of a Semiconductive Silver Thiolate Coordination Polymer with Segregated Paths for Holes and Electrons. <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
44	PbBi ₃ O ₄ X ₃ (X = Cl, Br) with Single/Double Halogen Layers as a Photocatalyst for Visible-Light-Driven Water Splitting: Impact of a Halogen Layer on the Band Structure and Stability. <i>Chemistry of Materials</i> , 2021, 33, 9580-9587.	3.2	11
45	Machine Learning-Assisted Development of Organic Solar Cell Materials: Issues, Analyses, and Outlooks. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12391-12401.	2.1	38
46	A high throughput molecular screening for organic electronics via machine learning: present status and perspective. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SD0801.	0.8	43
47	Atom-Variied Side Chains in Conjugated Polymers Affect Efficiencies of Photovoltaic Devices Incorporating Small Molecules. <i>ACS Applied Polymer Materials</i> , 2020, 2, 636-646.	2.0	23
48	Semiconductive Nature of Lead-Based Metal-Organic Frameworks with Three-Dimensionally Extended Sulfur Secondary Building Units. <i>Journal of the American Chemical Society</i> , 2020, 142, 27-32.	6.6	51
49	Polymerization of Columnar Mesogens Tethered with Diacetylenic Side Chains. <i>ACS Applied Polymer Materials</i> , 2020, 2, 248-255.	2.0	9
50	Hydrogen-bonded organic frameworks of twisted polycyclic aromatic hydrocarbon. <i>Chemical Communications</i> , 2020, 56, 13369-13372.	2.2	26
51	Modulation of Band Gaps toward Varying Conductivities in Heterometallic One-Dimensional Chains by Ligand Alteration and Third Metal Insertion. <i>ACS Omega</i> , 2020, 5, 30502-30518.	1.6	7
52	High Current Density Sn-Based Perovskite Solar Cells via Enhanced Electron Extraction in Nanoporous Electron Transport Layers. <i>ACS Applied Nano Materials</i> , 2020, 3, 11650-11657.	2.4	18
53	Optoelectronic and Energy Level Exploration of Bismuth and Antimony-Based Materials for Lead-Free Solar Cells. <i>Chemistry of Materials</i> , 2020, 32, 6416-6424.	3.2	40
54	Anisotropic Photoconductivity and Long-Lived Charge Carriers in Bismuth-Based One-Dimensional Perovskite with Type-IIa Band Alignment. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6757-6762.	2.1	17

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55	Evaluation-oriented exploration of photo energy conversion systems: from fundamental optoelectronics and material screening to the combination with data science. <i>Polymer Journal</i> , 2020, 52, 1307-1321.	1.3	43
56	Ag-(Bi, Sb, In, Ga)-I Solar Cells: Impacts of Elemental Composition and Additives on the Charge Carrier Dynamics and Crystal Structures. <i>ACS Applied Energy Materials</i> , 2020, 3, 8224-8232.	2.5	16
57	Understanding Hole Extraction of Inverted Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56068-56075.	4.0	16
58	Structure-Property Correlation Study for Organic Photovoltaic Polymer Materials Using Data Science Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12871-12882.	1.5	19
59	How the Mixed Cations (Guanidium, Formamidinium, and Phenylethylamine) in Tin Iodide Perovskites Affect Their Charge Carrier Dynamics and Solar Cell Characteristics. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4043-4051.	2.1	19
60	Near-infrared absorbing pyrrolopyrrole aza-BODIPY-based donor-acceptor polymers with reasonable photoresponse. <i>Journal of Materials Chemistry C</i> , 2020, 8, 8770-8776.	2.7	19
61	Dibenzoanthraquinone Building Blocks for the Synthesis of Nitrogenated Polycyclic Aromatic Hydrocarbons. <i>Organic Letters</i> , 2020, 22, 4737-4741.	2.4	7
62	Elucidating the Coordination of Diethyl Sulfide Molecules in Copper(I) Thiocyanate (CuSCN) Thin Films and Improving Hole Transport by Antisolvent Treatment. <i>Advanced Functional Materials</i> , 2020, 30, 2002355.	7.8	22
63	Coordination of NH ₂ - or COOH-Appended Pt-Porphyrins with CsPbBr ₃ Perovskite Quantum Dots to Improve a Cascade Process of Two-Photon Absorption and Triplet-Triplet Annihilation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14439-14445.	1.5	7
64	Bismuth-Based Zero-Dimensional Perovskite-like Materials: Effect of Benzylammonium on Dielectric Confinement and Photoconductivity. <i>Chemistry of Materials</i> , 2020, 32, 2647-2652.	3.2	27
65	Exploring the Relationship between Effective Mass, Transient Photoconductivity, and Photocatalytic Activity of Sr _x Pb _{1-x} BiO ₂ Cl (x = 0-1) Oxyhalides. <i>Chemistry of Materials</i> , 2020, 32, 4166-4173.	3.2	24
66	A Sterically Congested Nitrogenated Benzodipentaphene with a Double π -Expanded Helicene Structure. <i>Organic Letters</i> , 2020, 22, 3706-3711.	2.4	21
67	Giant Star-Shaped Nitrogen-Doped Nanographenes. <i>Angewandte Chemie</i> , 2019, 131, 562-566.	1.6	15
68	Flux Synthesis of Layered Oxyhalide Bi ₄ NbO ₈ Cl Photocatalyst for Efficient Z-Scheme Water Splitting Under Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 5642-5650.	4.0	89
69	Fe/Ru Oxide as a Versatile and Effective Cocatalyst for Boosting Z-Scheme Water-Splitting: Suppressing Undesirable Backward Electron Transfer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45606-45611.	4.0	11
70	Hooking Together Sigmoidal Monomers into Supramolecular Polymers. <i>Angewandte Chemie</i> , 2019, 131, 15935-15939.	1.6	1
71	Hooking Together Sigmoidal Monomers into Supramolecular Polymers. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15788-15792.	7.2	9
72	A Wavy Two-Dimensional Covalent Organic Framework from Core-Twisted Polycyclic Aromatic Hydrocarbons. <i>Journal of the American Chemical Society</i> , 2019, 141, 14403-14410.	6.6	63

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73	Regioregularity and Electron Deficiency Control of Unsymmetric Diketopyrrolopyrrole Copolymers for Organic Photovoltaics. <i>ACS Omega</i> , 2019, 4, 15645-15652.	1.6	14
74	Soft chromophore featured liquid porphyrins and their utilization toward liquid electret applications. <i>Nature Communications</i> , 2019, 10, 4210.	5.8	32
75	Charge transport modulation in pseudorotaxane 1D stacks of acene and azaacene derivatives. <i>Chemical Science</i> , 2019, 10, 2743-2749.	3.7	25
76	Enhancing photovoltaic performance by tuning the domain sizes of a small-molecule acceptor by side-chain-engineered polymer donors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3072-3082.	5.2	68
77	Energy Transfer Dynamics of Highly Stable Fe ³⁺ Doped CsPbCl ₃ Perovskite Nanocrystals with Dual-Color Emission. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17026-17034.	1.5	41
78	Photoconductivity Lifetime Product Correlates Well with the Photocatalytic Activity of Oxyhalides Bi ₄ TaO ₈ Cl and PbBiO ₂ Cl: An Approach to Boost Their O ₂ Evolution Rates. <i>ACS Energy Letters</i> , 2019, 4, 1572-1578.	8.8	31
79	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12987-12992.	5.2	57
80	Complex Photoconductivity Reveals How the Nonstoichiometric Sr/Ti Affects the Charge Dynamics of a SrTiO ₃ Photocatalyst. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1986-1991.	2.1	16
81	Band Engineering of Double-Layered Sillars Aurivillius Perovskite Oxychlorides for Visible-Light-Driven Water Splitting. <i>Chemistry of Materials</i> , 2019, 31, 3419-3429.	3.2	50
82	Isolation and Characterization of the Unexpected 1-n-Octyloxyperopyrene: A Solution-Processable p-Type Organic Semiconductor. <i>Journal of Organic Chemistry</i> , 2019, 84, 3270-3274.	1.7	8
83	Preferential Face and Edge Orientation of Thiophene Oligomers by Rational Molecular Design. <i>Chemistry - an Asian Journal</i> , 2019, 14, 963-967.	1.7	6
84	Comparative Study of Charge Carrier Dynamics in Bismuth-based Dimer and Double Perovskites. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019, 32, 735-740.	0.1	8
85	Charge Carrier Polarity Modulation in Diketopyrrolopyrrole-Based Low Band Gap Semiconductors by Terminal Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1088-1095.	4.0	19
86	Polychromatic Photoluminescence of Polymorph Boron Dipyrromethene Crystals and Heterostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5061-5066.	1.5	5
87	Giant Star-Shaped Nitrogen-Doped Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 552-556.	7.2	37
88	Molecular Orientation Change in Naphthalene Diimide Thin Films Induced by Removal of Thermally Cleavable Substituents. <i>Chemistry of Materials</i> , 2019, 31, 1729-1737.	3.2	40
89	Significant Enhancement of Hole Transport Ability in Conjugated Polymer/Fullerene Bulk Heterojunction Microspheres. <i>ACS Applied Polymer Materials</i> , 2019, 1, 118-123.	2.0	4
90	A Spin-Active, Electrochromic, Solvent-Free Molecular Liquid Based on Double-Decker Lutetium Phthalocyanine Bearing Long Branched Alkyl Chains. <i>Chemistry - an Asian Journal</i> , 2018, 13, 770-774.	1.7	23

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91	Monodisperse N-doped Graphene Nanoribbons Reaching 7.7 Nanometers in Length. <i>Angewandte Chemie</i> , 2018, 130, 711-716.	1.6	44
92	A Hybrid Organogel of a Low Band Gap Diketopyrrolopyrrole with PC ₇₁ BM: Phase Separated Morphology and Enhanced Photoconductivity. <i>ChemNanoMat</i> , 2018, 4, 831-836.	1.5	14
93	Lithium Ion Endohedral Fullerene (Li ⁺ @C ₆₀) Dopants in Stable Perovskite Solar Cells Induce Instant Doping and Anti-Oxidation. <i>Angewandte Chemie</i> , 2018, 130, 4697-4701.	1.6	18
94	Lithium Ion Endohedral Fullerene (Li ⁺ @C ₆₀) Dopants in Stable Perovskite Solar Cells Induce Instant Doping and Anti-Oxidation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4607-4611.	7.2	89
95	Monodisperse N-doped Graphene Nanoribbons Reaching 7.7 Nanometers in Length. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 703-708.	7.2	87
96	Blackening of aza-BODIPY analogues by simple dimerization: panchromatic absorption of a pyrrolopyrrole aza-BODIPY dimer. <i>Materials Chemistry Frontiers</i> , 2018, 2, 112-120.	3.2	40
97	Photoconductivity of Pb-Sn Perovskite Induced by UV Pump and IR Push Pulses. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 157-162.	0.1	4
98	Synthesis, Isolation, and Properties of All Head-to-Tail Cyclic Poly(3-hexylthiophene): Fully Delocalized Exciton over the Defect-Free Ring Polymer. <i>Macromolecules</i> , 2018, 51, 9284-9293.	2.2	17
99	Organic photovoltaics of diketopyrrolopyrrole copolymers with unsymmetric and regiorandom configuration of the side units. <i>RSC Advances</i> , 2018, 8, 30201-30206.	1.7	10
100	Solution-Processed Bi ₂ S ₃ Photoresistor Film To Mitigate a Trade-off between Morphology and Electronic Properties. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5392-5399.	2.1	20
101	Two-step synthesis of Sillars Aurivillius type oxochlorides to enhance their photocatalytic activity for visible-light-induced water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10909-10917.	5.2	50
102	Photon Upconversion through a Cascade Process of Two-Photon Absorption in CsPbBr ₃ and Triplet-Triplet Annihilation in Porphyrin/Diphenylanthracene. <i>Journal of Physical Chemistry C</i> , 2018, 122, 14425-14433.	1.5	13
103	Readily Processable Hole-Transporting Peropyrene Gels. <i>Angewandte Chemie</i> , 2018, 130, 8341-8345.	1.6	7
104	Computer-Aided Screening of Conjugated Polymers for Organic Solar Cell: Classification by Random Forest. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2639-2646.	2.1	135
105	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13221-13225.	7.2	111
106	Lead-Free Solar Cells based on Tin Halide Perovskite Films with High Coverage and Improved Aggregation. <i>Angewandte Chemie</i> , 2018, 130, 13405-13409.	1.6	36
107	Anomalous Dielectric Behavior of a Pb/Sn Perovskite: Effect of Trapped Charges on Complex Photoconductivity. <i>ACS Photonics</i> , 2018, 5, 3189-3197.	3.2	21
108	Readily Processable Hole-Transporting Peropyrene Gels. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8209-8213.	7.2	16

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109	High-Performance Long-Term-Stable Dopant-Free Perovskite Solar Cells and Additive-Free Organic Solar Cells by Employing Newly Designed Multirole π -Conjugated Polymers. <i>Advanced Materials</i> , 2017, 29, 1700183.	11.1	141
110	Thermoresponsive Emission Switching via Lower Critical Solution Temperature Behavior of Organic-Inorganic Perovskite Nanoparticles. <i>Advanced Materials</i> , 2017, 29, 1700047.	11.1	11
111	Synthesis, properties, and crystal structures of π -extended double [6]helicenes: contorted multi-dimensional stacking lattice. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4697-4703.	1.5	61
112	Rotational Energy Barriers and Relaxation Times of the Organic Cation in Cubic Methylammonium Lead/Tin Halide Perovskites from First Principles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14051-14059.	1.5	21
113	A Guide to Design Functional Molecular Liquids with Tailorable Properties using Pyrene-Fluorescence as a Probe. <i>Scientific Reports</i> , 2017, 7, 3416.	1.6	62
114	Perovskite Nanoparticles: Thermoresponsive Emission Switching via Lower Critical Solution Temperature Behavior of Organic-Inorganic Perovskite Nanoparticles (<i>Adv. Mater.</i> 23/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	0
115	Nanosheets of an Organic Molecular Assembly from Aqueous Medium Exhibit High Solid-State Emission and Anisotropic Charge-Carrier Mobility. <i>Advanced Materials</i> , 2017, 29, 1605408.	11.1	97
116	Accomplishment of Multifunctional π -Conjugated Polymers by Regulating the Degree of Side-Chain Fluorination for Efficient Dopant-Free Ambient-Stable Perovskite Solar Cells and Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36053-36060.	4.0	31
117	Solvent-Coordinated Tin Halide Complexes as Purified Precursors for Tin-Based Perovskites. <i>ACS Omega</i> , 2017, 2, 7016-7021.	1.6	85
118	Exploring Alkyl Chains in Benzobisthiazole-Naphthobisthiadiazole Polymers: Impact on Solar-Cell Performance, Crystalline Structures, and Optoelectronics. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37702-37711.	4.0	25
119	Hole Relaxation in Polymer:Fullerene Solar Cells Examined by the Simultaneous Measurement of Time-of-Flight and Time-Resolved Microwave Conductivity. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18351-18359.	1.5	11
120	Highly efficient air-stable/hysteresis-free flexible inverted-type planar perovskite and organic solar cells employing a small molecular organic hole transporting material. <i>Nano Energy</i> , 2017, 41, 10-17.	8.2	59
121	Minute-Scale Degradation and Shift of Valence-Band Maxima of $(\text{CH}_3\text{NH}_3)_3\text{SnI}_3$ and $\text{HC}(\text{NH}_2)_2\text{SnI}_3$ Perovskites upon Air Exposure. <i>Journal of Physical Chemistry C</i> , 2017, 121, 19650-19656.	1.5	44
122	Funiculosin variants and phosphorylated derivatives promote innate immune responses via the Toll-like receptor 4/myeloid differentiation factor-2 complex. <i>Journal of Biological Chemistry</i> , 2017, 292, 15378-15394.	1.6	4
123	Spatial Inhomogeneity of Methylammonium Lead-Mixed Halide Perovskite Examined by Space- and Time-Resolved Microwave Conductivity. <i>ACS Omega</i> , 2017, 2, 8020-8026.	1.6	4
124	Fluorinated Benzothienoisindigo Copolymers for Organic Solar Cells: A Comparative Study on Polymer Orientation and Device Performance. <i>Chemistry Letters</i> , 2017, 46, 1133-1136.	0.7	11
125	Facile synthesis of dimeric aza-BODIPY analogues from electron-deficient bislactams and their intriguing optical and electrochemical properties. <i>Tetrahedron Letters</i> , 2017, 58, 3151-3154.	0.7	17
126	Synthesis and Optoelectronic Properties of Thiophene-Based Semiconducting Oligomers. <i>ChemistrySelect</i> , 2016, 1, 6872-6879.	0.7	0

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127	Control of Phase Separation of Benzothienoisindigo-Benzodithiophene Copolymer for Organic Photovoltaics. <i>Journal of Photopolymer Science and Technology</i> = [Fotoporima Konwakai Shi], 2016, 29, 565-569.	0.1	1
128	Insight into the energy loss in organic solar cells based on benzotrithiophene copolymers: A dark current analysis at low temperature. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 022303.	0.8	3
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