

Atsushi Suzuki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3149620/publications.pdf>

Version: 2024-02-01

123
papers

1,788
citations

279798

23
h-index

414414

32
g-index

125
all docs

125
docs citations

125
times ranked

1198
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructures and photovoltaic properties of perovskite-type CH ₃ NH ₃ PbI ₃ compounds. Applied Physics Express, 2014, 7, 121601.	2.4	99
2	Effects of Antimony Addition to Perovskite-type CH ₃ NH ₃ PbI ₃ Photovoltaic Devices. Chemistry Letters, 2016, 45, 134-136.	1.3	63
3	Fabrication and characterization of fullerene/porphyrin bulk heterojunction solar cells. Journal of Physics and Chemistry of Solids, 2010, 71, 551-555.	4.0	61
4	Fabrication and characterization of TiO ₂ -based dye-sensitized solar cells. Progress in Natural Science: Materials International, 2011, 21, 122-126.	4.4	44
5	Effects of annealing temperature on decaphenylcyclopentasilane-inserted CH ₃ NH ₃ PbI ₃ perovskite solar cells. Chemical Physics Letters, 2019, 737, 136822.	2.6	44
6	Effects of Cl Addition to Sb-Doped Perovskite-Type CH ₃ NH ₃ PbI ₃ Photovoltaic Devices. Metals, 2016, 6, 147.	2.3	43
7	Additive effects of alkali metals on Cu-modified CH ₃ NH ₃ PbI ₃ Cl photovoltaic devices. RSC Advances, 2019, 9, 24231-24240.	3.6	41
8	Fabrication and Characterization of TiO ₂ /CH ₃ NH ₃ PbI ₃ -based Photovoltaic Devices. Chemistry Letters, 2014, 43, 916-918.	1.3	37
9	Effects of NH ₄ Cl addition to perovskite CH ₃ NH ₃ PbI ₃ photovoltaic devices. Journal of the Ceramic Society of Japan, 2017, 125, 303-307.	1.1	36
10	Effects of chlorine addition to perovskite-type CH ₃ NH ₃ PbI ₃ photovoltaic devices. Journal of the Ceramic Society of Japan, 2016, 124, 234-238.	1.1	33
11	Fabrication and Characterization of Fullerene-Based Bulk Heterojunction Solar Cells with Porphyrin, CuInS ₂ , Diamond and Exciton-Diffusion Blocking Layer. Energies, 2010, 3, 671-685.	3.1	32
12	Polysilane-Inserted Methylammonium Lead Iodide Perovskite Solar Cells Doped with Formamidinium and Potassium. Energies, 2020, 13, 4776.	3.1	32
13	Photovoltaic Characteristics of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells Added with Ethylammonium Bromide and Formamidinium Iodide. Coatings, 2020, 10, 410.	2.6	32
14	Effects of mixed-valence states of Eu-doped FAPbI ₃ perovskite crystals studied by first-principles calculation. Materials Advances, 2021, 2, 2609-2616.	5.4	32
15	Effects of doping with Na, K, Rb, and formamidinium cations on (CH ₃ NH ₃) _{0.99} Rb _{0.01} Pb _{0.99} Cu _{0.01} I ₃ (Cl, Br) perovskite photovoltaic cells. AIP Advances, 2020, 10, .	1.3	32
16	Fabrication and characterization of perovskite type solar cells using phthalocyanine complexes. Applied Surface Science, 2019, 488, 586-592.	6.1	30
17	Fabrication and evaluation of K-doped MA _{0.8} FA _{0.1} K _{0.1} PbI ₃ (Cl) perovskite solar cells. Chemical Physics Letters, 2019, 730, 117-123.	2.6	29
18	Effects of guanidinium addition to CH ₃ NH ₃ PbI ₃ perovskite photovoltaic devices. Journal of the Ceramic Society of Japan, 2019, 127, 491-497.		

#	ARTICLE	IF	CITATIONS
19	First-principles calculation study of electronic structures of alkali metals (Li, K, Na and Tl) by first-principles calculation. <i>Journal of Applied Physics</i> , 2010, 107, 093701. doi:10.1063/1.3187414	6.1	28
20	Structure and photovoltaic activity of cupric oxide-based thin film solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 1021-1023.	1.1	27
21	Microstructures and Photovoltaic Properties of Polysilane-Based Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CR07.	1.5	27
22	Fabrication and Characterization of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells Added with Polysilanes. <i>International Journal of Photoenergy</i> , 2018, 2018, 1-7.	2.5	27
23	Effects of Polysilane Addition to Chlorobenzene and High Temperature Annealing on CH ₃ NH ₃ PbI ₃ Perovskite Photovoltaic Devices. <i>Coatings</i> , 2021, 11, 665.	2.6	27
24	Fabrication and characterization of potassium- and formamidinium-added perovskite solar cells. <i>Journal of the Ceramic Society of Japan</i> , 2020, 128, 805-811.	1.1	27
25	Effects of Adding Alkali Metals and Organic Cations to Cu-Based Perovskite Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1710.	2.5	26
26	Fabrication and Characterization of CH ₃ NH ₃ PbI _{3-x} Br _x Perovskite Solar Cells. <i>Energies</i> , 2016, 9, 376.	3.1	25
27	Effects of transition metals incorporated into perovskite crystals on the electronic structures and magnetic properties by first-principles calculation. <i>Heliyon</i> , 2018, 4, e00755.	3.2	25
28	Fabrication and Characterization of a Perovskite-Type Solar Cell with a Substrate Size of 70 mm. <i>Coatings</i> , 2015, 5, 646-655.	2.6	24
29	Fabrication and characterization of perovskite-based CH ₃ NH ₃ Pb _{1-x} GexI ₃ , CH ₃ NH ₃ Pb _{1-x} TlxI ₃ and CH ₃ NH ₃ Pb _{1-x} InxI ₃ photovoltaic devices. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	24
30	Additive effects of methyl ammonium bromide or formamidinium bromide in methylammonium lead iodide perovskite solar cells using decaphenylcyclopentasilane. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 26449-26464.	2.2	24
31	Fabrication and Characterization of Ni-, Co-, and Rb-Incorporated CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2021, 50, 1980-1995.	2.2	23
32	Fabrication and characterization of CH ₃ NH ₃ PbI ₃ solar cells with added guanidinium and inserted with decaphenylpentasilane. <i>Japanese Journal of Applied Physics</i> , 2022, 61, SB1024.	1.5	23
33	Effects of Cu, K and Guanidinium Addition to CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2022, 51, 4317-4328.	2.2	23
34	Effects of PbI ₂ addition and TiO ₂ electron transport layers for perovskite solar cells. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 08RE05.	1.5	22
35	Additive Effect of Formamidinium Chloride in Methylammonium Lead Halide Compound-Based Perovskite Solar Cells. <i>Journal of Electronic Materials</i> , 2019, 48, 3900-3907.	2.2	22
36	Additive Effects of Guanidinium Iodide on CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100396.	1.8	22

#	ARTICLE	IF	CITATIONS
37	Effects of Niobium Addition into TiO ₂ Layers on CH ₃ NH ₃ PbI ₃ -based Photovoltaic Devices. Chemistry Letters, 2015, 44, 1033-1035.	1.3	21
38	Additive Effects of Copper and Alkali Metal Halides into Methylammonium Lead Iodide Perovskite Solar Cells. Electronic Materials Letters, 2022, 18, 176-186.	2.2	20
39	Formation and Characterization of Bulk Hetero-Junction Solar Cells Using C ₆₀ and Perylene. Materials Transactions, 2008, 49, 2457-2460.	1.2	18
40	Fabrication and characterization of inorganic-organic hybrid solar cells based on CuInS ₂ . Journal of the Ceramic Society of Japan, 2009, 117, 967-969.	1.1	18
41	Fabrication and characterization of tetracyanoquinodimethane/phthalocyanine solar cells. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 877-881.	3.5	18
42	Fabrication and characterization of fullerene-based solar cells containing phthalocyanine and naphthalocyanine dimers. Synthetic Metals, 2013, 177, 48-51.	3.9	18
43	Electronic structures, spectroscopic properties, and thermodynamic characterization of sodium- or potassium-incorporated CH ₃ NH ₃ PbI ₃ by first-principles calculation. Journal of Materials Science, 2020, 55, 9728-9738.	3.7	18
44	Ultrasonic Polymerization of Poly(vinylpyrrolidone). Polymer Journal, 1995, 27, 1144-1146.	2.7	16
45	Effects of hole-transporting layers of perovskite-based solar cells. Japanese Journal of Applied Physics, 2016, 55, 02BF01.	1.5	16
46	Effects of halogen doping on the photovoltaic properties of HC(NH ₂) ₂ PbI ₃ perovskite solar cells. AIP Conference Proceedings, 2017, . .	0.4	16
47	Effect of chain transfer agents on the kinetics and mechanism of particle nucleation in the emulsion polymerization of vinyl pivalate. Colloid and Polymer Science, 2007, 285, 523-534.	2.1	15
48	Effects of Decaphenylcyclopentasilane Addition on Photovoltaic Properties of Perovskite Solar Cells. Coatings, 2018, 8, 461.	2.6	15
49	Dispersion polymerization of vinyl acetate in a mixture of ethanol and water. Polymer International, 2005, 54, 143-148.	3.1	14
50	Effects of poly(methyl methacrylate) addition to perovskite photovoltaic devices. AIP Conference Proceedings, 2019, . .	0.4	14
51	Fabrication and Characterization of Phthalocyanine/C ₆₀ ; Solar Cells with Inverted Structure. Advances in Chemical Engineering and Science, 2012, 02, 461-464.	0.5	14
52	Study on the initial stage of emulsion polymerization of vinyl acetate using poly(vinyl alcohol) as a protective colloid. Colloid and Polymer Science, 2003, 281, 337-342.	2.1	13
53	Effects of polysilane-doped spiro-OMeTAD hole transport layers on photovoltaic properties. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600591.	1.8	13
54	High spin/low spin phase transitions of a spin-crossover complex in the emulsion polymerization of trifluoroethylmethacrylate (TFEMA) using PVA as a protective colloid. Colloid and Polymer Science, 2008, 286, 525-534.	2.1	12

#	ARTICLE	IF	CITATIONS
55	Effects of central metal on electronic structure, magnetic properties, infrared and Raman spectra of double-decker phthalocyanine. Applied Surface Science, 2016, 380, 127-134.	6.1	12
56	Additive effect of lanthanide compounds into perovskite layer on photovoltaic properties and electronic structures. Synthetic Metals, 2022, 287, 117092.	3.9	12
57	Fabrication and characterization of CH ₃ NH ₃ (Cs)Pb(Sn)I ₃ (Br) perovskite solar cells. AIP Conference Proceedings, 2017, , .	0.4	11
58	Effects of SbBr ₃ addition to CH ₃ NH ₃ PbI ₃ solar cells. AIP Conference Proceedings, 2017, , .	0.4	11
59	Fabrication and characterization of CH ₃ NH ₃ (Cs)Pb(Sn)I ₃ (Cl) perovskite solar cells with TiO ₂ nanoparticle layers. Japanese Journal of Applied Physics, 2018, 57, 02CE03.	1.5	11
60	C ₆₀ -ethylenediamine adduct thin film as a buffer layer for inverted-type organic solar cells. RSC Advances, 2014, 4, 34950.	3.6	10
61	First-principles calculation study of electronic structures and magnetic properties of Mn-doped perovskite crystals for solar cell applications. Japanese Journal of Applied Physics, 2018, 57, 02CE04.	1.5	10
62	Effect of additives on the initial stage of emulsion polymerization of methyl methacrylate using polyvinyl alcohol as a protective colloid. Macromolecular Symposia, 2000, 150, 143-148.	0.7	9
63	Fabrication and characterization of porphyrin dye-sensitized solar cells. Materials Chemistry and Physics, 2011, 129, 236-241.	4.0	9
64	Fabrication and characterization of perovskite solar cells added with MnCl ₂ , YCl ₃ or poly(methyl Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 3	0.4	9
65	Electronic Structures and Magnetic Properties of Transition Metal Doped CsPbI ₃ Perovskite Compounds by First-Principles Calculation. Physics of the Solid State, 2019, 61, 1074-1085.	0.6	9
66	Geometrical effects of (14N@C ₆₀) ₂ , 14N@C ₆₀ and C ₅₉ N endohedral fullerenes within single-walled carbon nanotube as peapods on electronic structure and magnetic properties. Physica B: Condensed Matter, 2011, 406, 3274-3278.	2.7	8
67	Influence of chemical substitution in Sc _x Y _{3-2x} N@C ₈₀ (CF ₃) _n endohedral fullerenes on magnetic properties. Physica B: Condensed Matter, 2013, 428, 18-26.	2.7	8
68	Effects of Germanium Tetrabromide Addition to Zinc Tetraphenyl Porphyrin / Fullerene Bulk Heterojunction Solar Cells. Electronics (Switzerland), 2014, 3, 112-121.	3.1	8
69	Effect of gold nanoparticle in hole-transport layer on inverted organic thin-film solar cell performance. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1645-1650.	1.8	8
70	Microstructures and properties of CH ₃ NH ₃ PbI _{3-x} Cl _x hybrid solar cells. , 2015, , .		8
71	Influence of additives on model emulsion polymerization of vinyl acetate (VAc) using poly(vinyl Tj ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 3	2.1	7
72	Fabrication and characterization of C ₆₀ /tetrathiafulvalene solar cells. Journal of Physics and Chemistry of Solids, 2010, 71, 1587-1591.	4.0	7

#	ARTICLE	IF	CITATIONS
73	Fabrication and characterization of silicon naphthalocyanine, gallium phthalocyanine and fullerene-based organic solar cells with inverted structures. Journal of Physics: Conference Series, 2013, 433, 012025.	0.4	7
74	Effect of annealing on photovoltaic properties and microstructure of conventional and inverted organic solar cells using active bilayer based on liquid-crystal semiconducting polymer and fullerene. International Journal of Energy Research, 2014, 38, 1541-1550.	4.5	7
75	Fabrication and photovoltaic property of diamond:fullerene nanocomposite thin films. Journal of the Ceramic Society of Japan, 2010, 118, 1006-1008.	1.1	6
76	Formation of Thin Films of Densely Packed [60]Fullerene-Diaminoethane Adduct Microparticles at a Liquid/Liquid Interface and Their Photoelectrochemical Applications. Chemistry Letters, 2015, 44, 489-491.	1.3	6
77	Low temperature fabrication of perovskite solar cells with TiO ₂ nanoparticle layers. AIP Conference Proceedings, 2016, , .	0.4	6
78	Fabrication and characterization of perovskite photovoltaic devices with TiO ₂ nanoparticle layers. AIP Conference Proceedings, 2017, , .	0.4	6
79	Effects of germanium addition to copper phthalocyanine/fullerene-based solar cells. Open Engineering, 2012, 2, .	1.6	5
80	Fabrication and characterization of PCBM:P3HT bulk heterojunction solar cells doped with silicon naphthalocyanine. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1836-1839.	0.8	5
81	Photovoltaic properties and morphology of organic solar cells based on liquid-crystal semiconducting polymer with additive. , 2014, , .		5
82	Electronic structures and magnetic properties of Sc ₄ O ₂ @C ₈₀ (CF ₃) _n (n= 2 and 4). Japanese Journal of Applied Physics, 2014, 53, 05FN02.	1.5	5
83	Fabrication and characterization of rubidium/formamidinium-incorporated methylammonium-lead-halide perovskite solar cells. AIP Conference Proceedings, 2018, , .	0.4	5
84	Effects of PBr ₃ Addition to Polysilane Thin Films on Structures and Photovoltaic Properties. Green and Sustainable Chemistry, 2017, 07, 20-34.	1.2	5
85	Thermosensitive poly(methyl methacrylate) emulsion prepared in the presence of poly(vinyl alcohol) with a cloud point as a protective colloid. Colloid and Polymer Science, 2004, 283, 111-116.	2.1	4
86	Polymerization of vinyl acetate in fatty acids and properties of poly (vinyl alcohols) derived from the poly (vinyl acetates). Colloid and Polymer Science, 2005, 283, 799-804.	2.1	4
87	Formation and characterization of phthalocyanine dimer/C ₆₀ solar cells. Progress in Natural Science: Materials International, 2011, 21, 27-30.	4.4	4
88	Fabrication and characterization of organic solar cells using titanylphthalocyanine as hole transport layer. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2861-2864.	1.8	4
89	Fabrication and photovoltaic properties of ZnO nanorods/perovskite solar cells. AIP Conference Proceedings, 2016, , .	0.4	4
90	Fabrication and Photocurrent Generation Properties of Insoluble Hierarchical Polythiophene Thin Films Prepared by Sequential Electrochemical Polymerization. Bulletin of the Chemical Society of Japan, 2016, 89, 700-704.	3.2	4

#	ARTICLE	IF	CITATIONS
91	Effects of Metal Phthalocyanines as Hole-transporting Layers of Perovskite-based Solar Cells. Chemical and Materials Engineering, 2017, 5, 34-42.	0.7	4
92	Fabrication and characterization of mixture type dye-sensitized solar cells with organic dyes. Journal of the Ceramic Society of Japan, 2009, 117, 964-966.	1.1	3
93	Fabrication and characterization of bismuth ferrite as an electron transport layer in perovskite photovoltaic devices. Journal of the Ceramic Society of Japan, 2016, 124, 602-605.	1.1	3
94	Rietveld refinement of the crystal structure of perovskite solar cells using CH ₃ NH ₃ PbI ₃ and other compounds. AIP Conference Proceedings, 2018, , .	0.4	3
95	Insertion effect of spin-coated films of C ₆₀ -ethylenediamine adduct on organic thin-film solar cells. AIP Conference Proceedings, 2018, , .	0.4	3
96	Fabrication and characterization of perovskite solar cells added with zinc phthalocyanine to active layer. AIP Conference Proceedings, 2019, , .	0.4	3
97	Role of electrolytes in the preparation of nanoparticles via the emulsion polymerization of vinyl pivalate. Journal of Colloid and Interface Science, 2009, 338, 480-485.	9.4	2
98	Fabrication and characterization of titanium dioxide/copper indium disulfide solar cells. Journal of the Ceramic Society of Japan, 2010, 118, 30-33.	1.1	2
99	Fabrication and Characterization of Fullerene / Dibenzo-Tetrathiafulvalene Solar Cells. Materials Science Forum, 0, 688, 80-84.	0.3	2
100	Fabrication and characterization of polysilane: PCBM bulk heterojunction solar cells. Open Engineering, 2013, 3, .	1.6	2
101	Effects of phosphorus addition to poly(ε-methyl-ε-phenyl-ε-silane) based photovoltaic devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1832-1835.	0.8	2
102	Electronic structures and magnetic properties of Sc ₂ YN@C ₈₀ (CF ₃) ₂ dimer. Japanese Journal of Applied Physics, 2014, 53, 05FN01.	1.5	2
103	Role of scandium atom in Sc _x Y _{3-x} N@C ₈₀ (CF ₃) _n (n=0, 2) on nuclear quadrupole interaction, electric field gradient and asymmetric parameters. Microelectronic Engineering, 2014, 126, 113-117.	2.4	2
104	Theoretical study of NMR, infrared and Raman spectra on triple-decker phthalocyanines. AIP Conference Proceedings, 2016, , .	0.4	2
105	Electronic Structures, and Optical and Magnetic Properties of Quadruple-Decker Phthalocyanines. Magnetochemistry, 2017, 3, 21.	2.4	2
106	Effects of CsBr addition on the performance of CH ₃ NH ₃ PbI ₃ -xCl _x -based solar cells. AIP Conference Proceedings, 2018, , .	0.4	2
107	Fabrication and characterization of ethylammonium- and rubidium-added perovskite solar cells. , 2022, 9, .		2
108	Surface sulfate groups on poly(methyl methacrylate) and poly(vinyl acetate) particles from soap-free emulsion polymerization. E-Polymers, 2005, 5, .	3.0	1

#	ARTICLE	IF	CITATIONS
109	Magnetic properties of the FeII spin crossover complex in emulsion polymerization of trifluoroethylmethacrylate using poly(vinyl alcohol). Journal of Solid State Chemistry, 2010, 183, 951-956.	2.9	1
110	Fabrication and characterization of perovskite based solar cells using phthalocyanine and naphthalocyanine as hole-transporting layer. AIP Conference Proceedings, 2017, , .	0.4	1
111	Fabrication and Characterization of Element-Doped Perovskite Solar Cells. , 2017, , .		1
112	Effects of TiO2 nanoparticles with different sizes on the performance of CH3NH3PbI3-xClx solar cells. AIP Conference Proceedings, 2019, , .	0.4	1
113	Effect of Central Metal Ion, Co^{II} in the Fe^{II} Spin-Crossover Complex in Emulsion Polymerization of Trifluoroethylmethacrylate Using Poly(Vinyl) Tj ETQq1 1 0.7ऊ rgBT /Overlo		
114	Photovoltaic properties of perovskite-type solar cells with polysilane-doped hole transport layers. , 2016, , .		0
115	Fabrication and characterization of BiFeO₃ thin films and application for photovoltaic devices. , 2016, , .		0
116	Effects of KBr or KCl addition to CH3NH3PbI3(Cl) photovoltaic devices. AIP Conference Proceedings, 2019, , .	0.4	0
117	Electronic Structures, Spectroscopic Properties, and Thermodynamic Characterization of Alkali Metal and Transition Metal Incorporated Perovskite Crystals by First-Principles Calculation. Materials Proceedings, 2020, 4, .	0.2	0
118	Effects of Guanidinium and Formamidinium Addition to CH3NH3PbI3-Based Perovskite Solar Cells. Materials Proceedings, 2020, 4, .	0.2	0
119	Development of Polysilane-Inserted Perovskite Solar Cells. Materials Proceedings, 2021, 4, 51.	0.2	0
120	Effects of co-addition of copper, sodium and ethylammonium to CH₃NH₃PbI₃ perovskite compound. , 0, , .		
121	Fabrication and characterization of perovskite solar cells using copper phthalocyanine complex with tetracyanoquinodimethane. , 0, , .		0
122	Effects of Cu, K and guanidinium addition to CH₃NH₃PbI₃ perovskite solar cells. , 0, , .		
123	Electronic structures of Eu-doped FAPbI₃ perovskite crystals studied by first-principles calculation. , 2022, 9, .		0