

Akihiko Fujiwara

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3026980/akihiko-fujiwara-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192
papers

6,198
citations

40
h-index

72
g-index

195
ext. papers

6,667
ext. citations

4.4
avg. IF

5.28
L-index

#	Paper	IF	Citations
192	Superconductivity in alkali-metal-doped picene. <i>Nature</i> , 2010 , 464, 76-9	50.4	403
191	PEDOT Nanocrystal in Highly Conductive PEDOT:PSS Polymer Films. <i>Macromolecules</i> , 2012 , 45, 3859-3865	5.5	279
190	Gas adsorption in the inside and outside of single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2001 , 336, 205-211	2.5	269
189	Fabrication and characterization of C60 thin-film transistors with high field-effect mobility. <i>Applied Physics Letters</i> , 2003 , 82, 4581-4583	3.4	219
188	Optical properties of fullerene and non-fullerene peapods. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 349-354	2.6	208
187	An oxyhydride of BaTiO ₃ exhibiting hydride exchange and electronic conductivity. <i>Nature Materials</i> , 2012 , 11, 507-11	27	205
186	Air-assisted high-performance field-effect transistor with thin films of picene. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10470-1	16.4	205
185	Metal-intercalated aromatic hydrocarbons: a new class of carbon-based superconductors. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 16476-93	3.6	183
184	Crystalline coordination framework endowed with dynamic gate-opening behaviour by being downsized to a thin film. <i>Nature Chemistry</i> , 2016 , 8, 377-83	17.6	167
183	Thermal expansion of single-walled carbon nanotube (SWNT) bundles: X-ray diffraction studies. <i>Physical Review B</i> , 2001 , 64,	3.3	138
182	Step-by-step fabrication of a highly oriented crystalline three-dimensional pillared-layer-type metal-organic framework thin film confirmed by synchrotron X-ray diffraction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 9605-8	16.4	127
181	Electric double-layer capacitance between an ionic liquid and few-layer graphene. <i>Scientific Reports</i> , 2013 , 3, 1595	4.9	116
180	Conductivity and field effect transistor of La ₂ @C ₈₀ metallofullerene. <i>Journal of the American Chemical Society</i> , 2003 , 125, 8116-7	16.4	109
179	Controlling charge-density-wave states in nano-thick crystals of 1T-TaS ₂ . <i>Scientific Reports</i> , 2014 , 4, 7302	4.9	102
178	Multiwalled carbon nanotubes grown in hydrogen atmosphere: An x-ray diffraction study. <i>Physical Review B</i> , 2001 , 64,	3.3	102
177	Photoconductivity in Semiconducting Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L1229-L1231	1.4	99
176	Structural transformation from single-wall to double-wall carbon nanotube bundles. <i>Physical Review B</i> , 2003 , 68,	3.3	95

175	Trap states and transport characteristics in picene thin film field-effect transistor. <i>Applied Physics Letters</i> , 2009 , 94, 043310	3.4	83
174	Quantum interference of electrons in multiwall carbon nanotubes. <i>Physical Review B</i> , 1999 , 60, 13492-13496	3.4	79
173	Fabrication of ambipolar field-effect transistor device with heterostructure of C60 and pentacene. <i>Applied Physics Letters</i> , 2004 , 85, 4765-4767	3.4	70
172	N-channel field effect transistors with fullerene thin films and their application to a logic gate circuit. <i>Chemical Physics Letters</i> , 2003 , 379, 223-229	2.5	70
171	Oxyhydrides of (Ca,Sr,Ba)TiO ₃ perovskite solid solutions. <i>Inorganic Chemistry</i> , 2012 , 51, 11371-6	5.1	65
170	Confined water-mediated high proton conduction in hydrophobic channel of a synthetic nanotube. <i>Nature Communications</i> , 2020 , 11, 843	17.4	61
169	Atomic and electronic structures of an extremely fragile liquid. <i>Nature Communications</i> , 2014 , 5, 5892	17.4	51
168	Synthesis and physical properties of metal-doped picene solids. <i>Physical Review B</i> , 2012 , 86,	3.3	51
167	Anomaly of X-ray Diffraction Profile in Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, L668-L670	1.4	51
166	Li- and Mg-doping into icosahedral boron crystals, β - and β' -rhombohedral boron, targeting high-temperature superconductivity: structure and electronic states. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 498-506	3.3	49
165	Synchrotron radiation X-ray powder diffractometer with a cylindrical imaging plate. <i>Journal of Applied Crystallography</i> , 2000 , 33, 1241-1245	3.8	48
164	Clear distinction between the underdoped and overdoped regime in the T _c suppression of Cu-site-substituted high-T _c cuprates. <i>Physical Review B</i> , 1995 , 52, R727-R730	3.3	48
163	Fabrication and characteristics of C84 fullerene field-effect transistors. <i>Applied Physics Letters</i> , 2004 , 84, 2572-2574	3.4	47
162	Trial of intercalation of Br and Li into Bi ₂ Sr ₂ Ca _n Cu _n O _{2n+4} (n = 1, 2, 3). <i>Solid State Communications</i> , 1991 , 79, 501-505	1.6	47
161	Guest-Induced Two-Way Structural Transformation in a Layered Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16787-16793	16.4	46
160	Dopant selection for control of charge carrier density and mobility in amorphous indium oxide thin-film transistors: Comparison between Si- and W-dopants. <i>Applied Physics Letters</i> , 2015 , 106, 042106	3.4	45
159	Superconductivity in (NH ₃) _y Cs _{0.4} FeSe. <i>Physical Review B</i> , 2013 , 88,	3.3	45
158	PHENOMENA IN RESONANT TUNNELING THROUGH DEGENERATED ENERGY STATES WITH ELECTRON CORRELATION. <i>International Journal of Modern Physics B</i> , 2007 , 21, 1827-1835	1.1	45

157	Photoconductivity of single-wall carbon nanotube films. <i>Carbon</i> , 2004 , 42, 919-922	10.4	45
156	Network topology for the formation of solvated electrons in binary CaO-Al ₂ O ₃ composition glasses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 10129-34	11.5	42
155	A twisted bi-icosahedral Au(25) cluster enclosed by bulky arenethiolates. <i>Chemical Communications</i> , 2014 , 50, 839-41	5.8	40
154	Towards Rational Modulation of In-Plane Molecular Arrangements in Metal-Organic Framework Nanosheets. <i>ChemPlusChem</i> , 2014 , 79, 1352-1360	2.8	40
153	Flexible picene thin film field-effect transistors with parylene gate dielectric and their physical properties. <i>Applied Physics Letters</i> , 2010 , 96, 113305	3.4	40
152	Switching of Conducting Planes by Partial Dimer Formation in IrTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 033701	1.5	38
151	Density functional study of Pt ₄ clusters adsorbed on a carbon nanotube support. <i>Physical Review B</i> , 2009 , 79,	3.3	38
150	Characteristics of Single Crystal Field-Effect Transistors with a New Type of Aromatic Hydrocarbon, Picene. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7983-7988	3.8	37
149	Characteristics of field-effect transistors using the one-dimensional extended hydrocarbon [7]phenacene. <i>Applied Physics Letters</i> , 2011 , 98, 013303	3.4	37
148	Synthesis and Physical Properties of the New Oxybismuthides BaTi ₂ Bi ₂ O and (SrF) ₂ Ti ₂ Bi ₂ O with ad1Square Net. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 013703	1.5	36
147	Crystal structure and electronic transport of Dy@C ₈₂ . <i>Physical Review B</i> , 2003 , 67,	3.3	36
146	Synthesis-condition dependence of carbon nanotube growth by alcohol catalytic chemical vapor deposition method. <i>Science and Technology of Advanced Materials</i> , 2007 , 8, 292-295	7.1	35
145	C ₇₀ Molecular Stumbling inside Single-Walled Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 45-48	1.5	35
144	Effects of carbon supports on Pt nano-cluster catalyst. <i>Computational Materials Science</i> , 2008 , 44, 163-166	6.2	34
143	Low voltage operation in picene thin film field-effect transistor and its physical characteristics. <i>Applied Physics Letters</i> , 2009 , 95, 183302	3.4	32
142	Structural and electronic properties of Ce@C ₈₂ . <i>Physical Review B</i> , 2003 , 68,	3.3	31
141	Characteristics of conjugated hydrocarbon based thin film transistor with ionic liquid gate dielectric. <i>Organic Electronics</i> , 2011 , 12, 2076-2083	3.5	30
140	High-performance C ₆₀ and picene thin film field-effect transistors with conducting polymer electrodes in bottom contact structure. <i>Organic Electronics</i> , 2009 , 10, 432-436	3.5	30

139	Output Properties of C60Field-Effect Transistors with Au Electrodes Modified by 1-Alkanethiols. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 7211-7217	3.8	30
138	Two effects of iodine intercalation on Tc in Bi2Sr2Ca1-xYxCu2O8: Two-dimensionality and charge transfer. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 29-37	1.3	30
137	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6448-51	16.4	29
136	Quantitative relation between structure and thermal conductivity in type-I clathrates X8Ga16Ge30 (X = Sr, Ba) based on electrostatic-potential analysis. <i>Physical Review B</i> , 2012 , 85,	3.3	27
135	Structural and Electronic Characterizations of Two Isomers of Ce@C82. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7580-7585	3.4	27
134	C60 thin-film transistors with high field-effect mobility, fabricated by molecular beam deposition. <i>Science and Technology of Advanced Materials</i> , 2003 , 4, 371-375	7.1	27
133	Remarkable Lattice Shrinkage in Highly Oriented Crystalline Three-Dimensional Metal-Organic Framework Thin Films. <i>Inorganic Chemistry</i> , 2015 , 54, 11593-5	5.1	26
132	The Roles of the Ge-Te Core Network and the Sb-Te Pseudo Network During Rapid Nucleation-Dominated Crystallization of Amorphous Ge2Sb2Te5. <i>Advanced Functional Materials</i> , 2012 , 22, 2251-2257	15.6	26
131	Fabrication and characterization of field-effect transistor device with C2v isomer of Pr@C82. <i>Chemical Physics Letters</i> , 2005 , 409, 187-191	2.5	26
130	Spin Injection into Organic Light-Emitting Devices with Ferromagnetic Cathode and Effects on Their Luminescence Properties. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, 6897-6901	1.4	25
129	Fabrication of C60 field-effect transistors with polyimide and Ba0.4Sr0.6Ti0.96O3 gate insulators. <i>Applied Physics Letters</i> , 2005 , 87, 143506	3.4	25
128	Ferromagnetism and giant magnetoresistance in the rare-earth fullerenes Eu6-xSrxC60. <i>Physical Review B</i> , 2002 , 65,	3.3	25
127	Upgrade of beamline BL25SU for soft x-ray imaging and spectroscopy of solid using nano- and micro-focused beams at SPring-8 2016 ,		25
126	Mesoscopic 2D Charge Transport in Commonplace PEDOT:PSS Films. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700490	6.4	24
125	Hierarchical dielectric orders in layered ferroelectrics Bi2SiO5. <i>IUCrJ</i> , 2014 , 1, 160-4	4.7	24
124	Superconductivity Induced by Breaking Te2Dimers of AuTe2. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 063704	1.5	23
123	Quantitative analysis of O2 gas sensing characteristics of picene thin film field-effect transistors. <i>Organic Electronics</i> , 2010 , 11, 1394-1398	3.5	23
122	Hole-injection barrier in pentacene field-effect transistor with Au electrodes modified by C16H33SH. <i>Applied Physics Letters</i> , 2007 , 91, 123518	3.4	23

121	Direct growth of vertically aligned single-walled carbon nanotubes on conducting substrate and its electrochemical performance in ionic liquids. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 2260-2266	1.6	22
120	Transport properties of field-effect transistor with Langmuir-Blodgett films of C60 dendrimer and estimation of impurity levels. <i>Applied Physics Letters</i> , 2007 , 91, 243515	3.4	22
119	Direct Observation on Spin-Coating Process of PS-b-P2VP Thin Films. <i>Macromolecules</i> , 2016 , 49, 3471-3475	3.5	22
118	Variable-rung design for a mixed-valence two-legged ladder system situated in a dimensional crossover region. <i>Inorganic Chemistry</i> , 2014 , 53, 1229-40	5.1	21
117	Anomalous pressure effect in heteroacene organic field-effect transistors. <i>Physical Review Letters</i> , 2013 , 110, 096603	7.4	21
116	Fabrication and Structural Characterization of an Ultrathin Film of a Two-Dimensional-Layered Metal-Organic Framework, {Fe(py)[Ni(CN)]} (py = pyridine). <i>Inorganic Chemistry</i> , 2017 , 56, 7606-7609	5.1	21
115	A hard X-ray nanospectroscopy station at SPring-8 BL39XU. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012017	0.3	21
114	Structural phase transition in the ammoniated alkali C60 compound (NH3)K3C60. <i>Physical Review B</i> , 1999 , 59, 3956-3960	3.3	21
113	Extended Polymorphism of Two-Dimensional Material. <i>Nano Letters</i> , 2017 , 17, 5567-5571	11.5	20
112	Thermally oxidized aluminum as catalyst-support layer for vertically aligned single-walled carbon nanotube growth using ethanol. <i>Applied Surface Science</i> , 2011 , 258, 873-882	6.7	20
111	Fabrication of field-effect transistor devices with fullerodendron by solution process. <i>Applied Physics Letters</i> , 2006 , 88, 173509	3.4	20
110	Temperature dependence of photoconductivity at 0.7 eV in single-wall carbon nanotube films. <i>Science and Technology of Advanced Materials</i> , 2003 , 4, 47-50	7.1	19
109	Synthesis and superconductivity of IBr-intercalated Bi2Sr2CaCu2O8. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 191-198	1.3	19
108	Luminescence of fusion materials of polymeric chain-structured lanthanide complexes. <i>Polymer Journal</i> , 2015 , 47, 195-200	2.7	18
107	Substrate-mediated interactions of Pt atoms adsorbed on single-wall carbon nanotubes: Density functional calculations. <i>Physical Review B</i> , 2009 , 79,	3.3	18
106	Fabrication of spintronics device by direct synthesis of single-walled carbon nanotubes from ferromagnetic electrodes. <i>Science and Technology of Advanced Materials</i> , 2008 , 9, 025019	7.1	18
105	Gas Storage in Single-Walled Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 671-676		18
104	High-performance C60 thin-film field-effect transistors with parylene gate insulator. <i>Applied Physics Letters</i> , 2008 , 93, 033316	3.4	16

103	Output properties of C60 field-effect transistors with different source/drain electrodes. <i>Applied Physics Letters</i> , 2007 , 90, 083503	3.4	16
102	Two effects of iodine intercalation on Tc in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 203, 411-418	1.3	16
101	Crystal structure and superconductivity of iodine-intercalated Bi ₂ Sr ₂ CaCu ₂ O ₈ _{1-x} (0<x<1). <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 363-370	1.3	16
100	Homogeneous double-layer amorphous Si-doped indium oxide thin-film transistors for control of turn-on voltage. <i>Journal of Applied Physics</i> , 2016 , 120, 045702	2.5	16
99	A three-dimensional accordion-like metal-organic framework: synthesis and unconventional oriented growth on a surface. <i>Chemical Communications</i> , 2016 , 52, 6017-20	5.8	16
98	Device characteristics of carbon nanotube transistor fabricated by direct growth method. <i>Applied Physics Letters</i> , 2008 , 92, 243115	3.4	15
97	Anionic complexes of MWCNT with supergiant cyanobacterial polyanions. <i>Biopolymers</i> , 2013 , 99, 1-9	2.2	14
96	X-Ray and Morphological Characterization of Al-O Thin Films Used for Vertically Aligned Single-Walled Carbon Nanotube Growth. <i>Advanced Materials Research</i> , 2012 , 620, 213-218	0.5	14
95	Field-effect transistors with thin films of perylene on SiO ₂ and polyimide gate insulators. <i>Applied Physics Letters</i> , 2006 , 88, 103506	3.4	14
94	Local current density detection of individual single-wall carbon nanotubes in a bundle. <i>Applied Physics Letters</i> , 2002 , 80, 1993-1995	3.4	14
93	Changes of the dimensionality and Tc through the iodine intercalation and oxidation in Bi ₂ Sr ₂ CaCu ₂ O ₈ + delta single crystals. <i>Physical Review B</i> , 1995 , 52, 15598-15606	3.3	14
92	Direct Growth of Vertically-Aligned Single-Walled Carbon Nanotubes on Conducting Substrates using Ethanol for Electrochemical Capacitor. <i>Journal of New Materials for Electrochemical Systems</i> , 2011 , 14, 173-178	2.8	14
91	Edge-dependent transport properties in graphene. <i>Nano Letters</i> , 2013 , 13, 1126-30	11.5	13
90	First principles study of the physisorption of hydrogen molecule on graphene and carbon nanotube surfaces adhered by Pt atom. <i>Computational Materials Science</i> , 2010 , 49, S15-S20	3.2	13
89	An investigation of correlation between transport characteristics and trap states in n-channel organic field-effect transistors. <i>Applied Physics Letters</i> , 2008 , 92, 163307	3.4	13
88	Growth, Superconductivity and Anisotropy in the Electrical Resistivity of Pb ₂ Sr ₂ Ho _{0.5} Ca _{0.5} Cu ₃ O ₈ Single Crystals: The Effect of Contamination from the Crucible on Tc. <i>Japanese Journal of Applied Physics</i> , 1994 , 33, 2515-2520	1.4	13
87	Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. <i>Electrochemistry</i> , 2014 , 82, 865-869	1.2	12
86	Transport properties of field-effect transistors with thin films of C76 and its electronic structure. <i>Chemical Physics Letters</i> , 2007 , 449, 160-164	2.5	12

85	Intrinsic transport and contact resistance effect in C60 field-effect transistors. <i>Applied Physics Letters</i> , 2006 , 89, 173510	3.4	12
84	Variation of output properties of perylene field-effect transistors by work function of source/drain electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 053508	3.4	12
83	Electronic properties for the C2v and Cs isomers of Pr@C82 studied by Raman, resistivity and scanning tunneling microscopy/spectroscopy. <i>Chemical Physics Letters</i> , 2004 , 395, 78-81	2.5	12
82	Structural Phase Transitions of Endohedral Metallofullerene La@C82 Studied by Single Crystal X-Ray Diffraction. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 639-642		12
81	Superconducting energy gap in Bi2Sr2CaCu2O8 observed by high-resolution photoemission spectroscopy. <i>Solid State Communications</i> , 1993 , 87, 553-556	1.6	12
80	Output properties of C60 field-effect transistor device with Eu source/drain electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 083511	3.4	11
79	Structure and Raman scattering of Cs3C60 under high pressure. <i>Physical Review B</i> , 2000 , 62, 5366-5369	3.3	11
78	Intercalation of Br and Li in Bi2Sr2Can-1CunO2n+4. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 847-848	1.3	11
77	Phase transitions from semiconductive amorphous to conductive polycrystalline in indium silicon oxide thin films. <i>Applied Physics Letters</i> , 2016 , 109, 221903	3.4	11
76	X-ray absorption fine structure study of heavily P doped (111) and (001) diamond. <i>Applied Physics Letters</i> , 2017 , 110, 072106	3.4	10
75	Neutral-Type One-Dimensional Mixed-Valence Halogen-Bridged Platinum Chain Complexes with Large Charge-Transfer Band Gaps. <i>Inorganic Chemistry</i> , 2016 , 55, 2620-6	5.1	10
74	High-precision spin coater for a synchrotron radiation in situ GISAXS system: for the investigation of formation mechanisms of self-assembled structures in polymer thin films. <i>Journal of Applied Crystallography</i> , 2013 , 46, 1610-1615	3.8	10
73	Thermal Degradation of Single-Walled Carbon Nanotubes during Alcohol Catalytic Chemical Vapor Deposition Process. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 02BA04	1.4	10
72	Field-effect modulation of contact resistance between carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 91, 133515	3.4	10
71	Magnetotransport of carbon nanotubes: magnetic-field-induced metal-insulator transition. <i>Physica B: Condensed Matter</i> , 2001 , 298, 541-545	2.8	10
70	A compact planar low-energy-gap molecule with a donor-acceptor-donor nature based on a bimetal dithiolene complex. <i>Chemical Communications</i> , 2015 , 51, 15796-9	5.8	9
69	A highly crystalline oriented metal-organic framework thin film with an inorganic pillar. <i>Chemical Communications</i> , 2017 , 53, 10112-10115	5.8	9
68	Atomic motion of resonantly vibrating quartz crystal visualized by time-resolved X-ray diffraction. <i>Applied Physics Letters</i> , 2015 , 107, 201905	3.4	9

67	Fabrication and Characterization of Carbon Nanotube Field-Effect Transistors Using Ferromagnetic Electrodes with Different Coercivities. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 02BD08	1.4	9
66	Nanoscale patterning by manipulation of single C60 molecules with a scanning tunneling microscope. <i>Chemical Physics Letters</i> , 2006 , 420, 82-85	2.5	9
65	Scanning tunneling microscopy of Dy@C82 and Dy@C60 adsorbed on Si(111)(7×7) surfaces. <i>Physical Review B</i> , 2004 , 69,	3.3	9
64	Local electronic transport through a junction of SWNT bundles. <i>Physica B: Condensed Matter</i> , 2002 , 323, 227-229	2.8	9
63	Carrier doping through iodine intercalation into Bi2Sr2CaCu2O8+δ with different δ values. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 245, 332-340	1.3	9
62	Correlation of superconductivity with crystal structure in (NH3)yCsxFeSe. <i>Physical Review B</i> , 2016 , 93,	3.3	8
61	Amorphous In-Si-O Films Fabricated via Solution Processing. <i>Journal of Electronic Materials</i> , 2017 , 46, 3610-3614	1.9	7
60	Structural Alternation Correlated to the Conductivity Enhancement of PEDOT:PSS Films by Secondary Doping. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 13467-13471	3.8	7
59	Visualizing patterned thin films by grazing-incidence small-angle X-ray scattering coupled with computed tomography. <i>Journal of Applied Crystallography</i> , 2015 , 48, 1645-1650	3.8	7
58	Electric-double-layer transistors with thin crystals of FeSe1-xTex (x = 0.9 and 1.0). <i>Applied Physics Letters</i> , 2013 , 102, 103506	3.4	7
57	Structure and physical properties of Cs3+δC60 (δ=0.01.0) under ambient and high pressures. <i>Physical Review B</i> , 2002 , 65,	3.3	7
56	Crystal structure, thermoelectric power and superconductivity in La1.6-xNd0.4SrxCuO4. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 84-86	2.8	7
55	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie</i> , 2016 , 128, 6558-6561	3.6	7
54	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3838-3841	16.4	6
53	Fabrication of flexible high-performance organic field-effect transistors using phenacene molecules and their application toward flexible CMOS inverters. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6022-6033	7.1	6
52	Air-Stable Cyclohexasulfur as Cocrystal. <i>Crystal Growth and Design</i> , 2013 , 13, 433-436	3.5	6
51	Spin injection into organic light-emitting diodes with a ferromagnetic cathode and observation of the luminescence properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2052-2054	2.8	6
50	Iodine intercalation in Bi2Sr2Ca(Cu1-zCoz)2O8+δ with different δ values. <i>Physical Review B</i> , 1996 , 54, 86-89	3.3	6

49	Effects of iodine intercalation into Bi-based copper oxide superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994 , 7, 123-126		6
48	Visualization of Individual Images in Patterned Organic-Inorganic Multilayers Using GISAXS-CT. <i>Langmuir</i> , 2017 , 33, 4675-4681	4	5
47	X-ray absorption near edge structure and extended X-ray absorption fine structure studies of P doped (111) diamond. <i>Diamond and Related Materials</i> , 2020 , 105, 107769	3.5	5
46	Solution processed In-Si-O thin film transistors on hydrophilic and hydrophobic substrates. <i>Thin Solid Films</i> , 2020 , 698, 137860	2.2	5
45	A comparative study of Co and Fe thin films deposited on GaAs(001) substrate. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, 571-574	2.8	5
44	Effects of extra oxygen on the physical properties in the Pb3201 phase of (Pb2Cu)Sr0.9La1.1CuO6+ δ prepared by the polymerized complex method. <i>Physica C: Superconductivity and Its Applications</i> , 1995 , 244, 263-270	1.3	5
43	Iodine and bromine intercalation into the Bi-2222 phase of Bi2Sr2(Gd0.82Ce0.18)2Cu2O10+ δ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 31-37	1.3	5
42	Solution-Processed Cupric Oxide P-type Channel Thin-Film Transistors. <i>Thin Solid Films</i> , 2020 , 704, 137991.2	1.2	4
41	Anomalous x-ray scattering studies of functional disordered materials. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012014	0.3	4
40	Development of Fast Scanning Microscopic XAFS Measurement System. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012019	0.3	4
39	Structure of Disordered Materials Studied by High-Energy X-Ray Diffraction Technique. <i>Materials Science Forum</i> , 2012 , 706-709, 1690-1695	0.4	4
38	Fabrication of field-effect transistor devices with fullerene related materials. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3021-3024	1.3	4
37	Transport properties of C60 thin film FETs with a channel of several-hundred nanometers. <i>Science and Technology of Advanced Materials</i> , 2005 , 6, 427-430	7.1	4
36	Solution-processed CuO thin films with various Cu2+ ion concentrations. <i>Thin Solid Films</i> , 2018 , 660, 819-823	1.2	3
35	Evidence of electronic polarization of the As ion in the superconducting phase of F-doped LaFeAsO. <i>IUCrJ</i> , 2014 , 1, 155-9	4.7	3
34	Stable delivery of nano-beams for advanced nano-scale analyses. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 052018	0.3	3
33	High energy-resolution electron energy-loss spectroscopy study of the electronic structures of Li- and Mg-doped alpha-rhombohedral boron. <i>Journal of Electron Microscopy</i> , 2004 , 53, 589-92		3
32	Photoconductivity of single-walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	3

31	Improving grazing-incidence small-angle X-ray scattering-computed tomography images by total variation minimization. <i>Journal of Applied Crystallography</i> , 2020 , 53, 140-147	3.8	3
30	An Electrically Conductive Single-Component Donor-Acceptor-Donor Aggregate with Hydrogen-Bonding Lattice. <i>Inorganic Chemistry</i> , 2016 , 55, 13027-13034	5.1	3
29	X-ray absorption near edge structure analysis of the charge-discharge mechanisms of dithiobiuret polymer used as a high-capacity cathode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2018 , 281, 99-108	6.7	2
28	Effect of Si-spacer layer thickness on magnetic and magnetoresistive properties of Co/Si/Co/GaAs(001). <i>Physica B: Condensed Matter</i> , 2009 , 404, 163-166	2.8	2
27	Structural, Lattice-Dynamical and Magnetic Properties of Alkali-Metal Intercalated Vermiculite. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 311, 339-344		2
26	Potential barriers to electron carriers in C60 field-effect transistors. <i>Applied Physics Letters</i> , 2008 , 92, 173302	3.4	2
25	Crystal Structure of Europium C60 Compounds. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 565-570		2
24	A sign of superconductivity in Li-doped $\sqrt{3}\times\sqrt{3}$ rhombohedral boron. <i>AIP Conference Proceedings</i> , 2001 ,	0	2
23	Synthesis of New Alkali-Metal-Intercalated Layered-Silicate Compounds and Their Magnetic Properties. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 453, 95		2
22	Crystal structure and superconductivity in Br-, I- and IBr-intercalated Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica B: Condensed Matter</i> , 1994 , 194-196, 2211-2212	2.8	2
21	Carrier doping through the halogen intercalation into the Bi-2212, 2223 and 2222 phases. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1419-1420	1.3	2
20	Silicon-doped indium oxide is a promising amorphous oxide semiconductor material for thin-film transistor fabricated by spin coating method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 625, 012002	0.4	2
19	Strain-Controlled Spin Transition in Heterostructured Metal-Organic Framework Thin Film. <i>Journal of the American Chemical Society</i> , 2021 , 143, 16128-16135	16.4	2
18	Fabrication of ring oscillators using organic molecules of phenacene and perylene-dicarboximide.. <i>RSC Advances</i> , 2021 , 11, 7538-7551	3.7	2
17	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie</i> , 2017 , 129, 3896-3899	3.6	1
16	Inhomogeneous superconductivity in thin crystals of FeSe _{1-x} Te _x (x = 1.0, 0.95, and 0.9). <i>Materials Research Express</i> , 2020 , 7, 036001	1.7	1
15	Fabrication and characterization of electro-phosphorescent organic light-emitting devices with a ferromagnetic cathode for observation of spin injection effect. <i>Synthetic Metals</i> , 2010 , 160, 230-234	3.6	1
14	Electronic phase transition of the valence-fluctuating fulleride Eu _{2.75} C ₆₀ . <i>Physical Review B</i> , 2011 , 83,	3.3	1

13	Transport properties in C60 field-effect transistor with a single Schottky barrier. <i>Applied Physics Letters</i> , 2008 , 92, 173306	3.4	1
12	Photo-oxidation of an organosulfur for photo-charging of lithium-ion batteries. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 625, 012020	0.4	1
11	Si-doping effect on solution-processed In-O thin-film transistors. <i>Materials Research Express</i> , 2019 , 6, 026410	1.7	1
10	Investigation on solution-processed In-Si-O thin-film transistor via spin-coating method 2018 ,		1
9	C70 close-packed surfaces and single molecule void-formation by local electric field through a scanning tunneling microscope tip. <i>Applied Physics Letters</i> , 2009 , 94, 043107	3.4	
8	Device degradation and the circular polarization of the electro-phosphorescent organic light-emitting diode with a ferromagnetic cathode. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 062027	0.3	
7	Structural Phase Transition in (NH ₃)K ₃ C ₆₀ . <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 571-576		
6	Dimensionality, T _c and Cu-site substitution effect of iodine-intercalated and oxidized Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Interpretation by the multilayer model. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 263, 329-332	1.3	
5	TRANSPORT PROPERTIES OF FULLERENE NANODEVICES 2007 , 3-8		
4	Behavior and its Effect of the Guest Atom in Clathrates Clarified by an Electrostatic Potential Analysis in the Crystal. <i>Nihon Kessho Gakkaishi</i> , 2013 , 55, 142-147	0	
3	Cage Structure for the Formation of Solvated Electrons in CaO-Al ₂ O ₃ Glasses. <i>Nihon Kessho Gakkaishi</i> , 2013 , 55, 356-361	0	
2	Elimination of Oxygen Defects in In-Si-O Film and Thin Film Transistor Performance. <i>Solid State Phenomena</i> , 324 , 81-86	0.4	
1	Fabrication and Characterization of Thin-Film ZnO/Cu-O Heterostructure Prepared by Spin Coating Technique. <i>Materials Science Forum</i> , 1055 , 13-17	0.4	