

Akihiko Fujiwara

List of Publications by Year in Descending Order

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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	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
191	Fabrication of ring oscillators using organic molecules of phenacene and perylenedicarboximide.. <i>RSC Advances</i> , 2021 , 11, 7538-7551	3.7	2
190	Solution-Processed Cupric Oxide P-type Channel Thin-Film Transistors. <i>Thin Solid Films</i> , 2020 , 704, 137991-138002	1.2	4
189	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
188	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
187	Solution processed In-Si-O thin film transistors on hydrophilic and hydrophobic substrates. <i>Thin Solid Films</i> , 2020 , 698, 137860	2.2	5
186	Confined water-mediated high proton conduction in hydrophobic channel of a synthetic nanotube. <i>Nature Communications</i> , 2020 , 11, 843	17.4	61
185	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
184	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
183	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
182	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
181	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
180	Si-doping effect on solution-processed In-O thin-film transistors. <i>Materials Research Express</i> , 2019 , 6, 026410	1.7	1
179	Mesoscopic 2D Charge Transport in Commonplace PEDOT:PSS Films. <i>Advanced Electronic Materials</i> , 2018 , 4, 1700490	6.4	24
178	Solution-processed CuO thin films with various Cu ²⁺ ion concentrations. <i>Thin Solid Films</i> , 2018 , 660, 819-823	3.2	3
177	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
176	Investigation on solution-processed In-Si-O thin-film transistor via spin-coating method 2018 ,		1

175	Amorphous In-Si-O Films Fabricated via Solution Processing. <i>Journal of Electronic Materials</i> , 2017 , 46, 3610-3614	1.9	7
174	Visualization of Individual Images in Patterned Organic-Inorganic Multilayers Using GISAXS-CT. <i>Langmuir</i> , 2017 , 33, 4675-4681	4	5
173	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
172	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 3838-3841	16.4	6
171	Mixed-Valence Nickel Bis(azamacrocyclic) Compounds with Ghost-Leg-type Sheets. <i>Angewandte Chemie</i> , 2017 , 129, 3896-3899	3.6	1
170	A highly crystalline oriented metal-organic framework thin film with an inorganic pillar. <i>Chemical Communications</i> , 2017 , 53, 10112-10115	5.8	9
169	Extended Polymorphism of Two-Dimensional Material. <i>Nano Letters</i> , 2017 , 17, 5567-5571	11.5	20
168	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
167	Correlation of superconductivity with crystal structure in (NH ₃) _y CsxFeSe. <i>Physical Review B</i> , 2016 , 93,	3.3	8
166	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
165	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
164	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie</i> , 2016 , 128, 6558-6561	16	7
163	Ultrafine Metal-Organic Right Square Prism Shaped Nanowires. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6448-51	16.4	29
162	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
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	An Electrically Conductive Single-Component Donor-Acceptor-Donor Aggregate with Hydrogen-Bonding Lattice. <i>Inorganic Chemistry</i> , 2016 , 55, 13027-13034	5.1	3
159	Upgrade of beamline BL25SU for soft x-ray imaging and spectroscopy of solid using nano- and micro-focused beams at SPring-8 2016 ,		25
158	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

157	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
156	Direct Observation on Spin-Coating Process of PS-b-P2VP Thin Films. <i>Macromolecules</i> , 2016 , 49, 3471-3475	3.5	22
155	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
154	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
153	Luminescence of fusion materials of polymeric chain-structured lanthanide complexes. <i>Polymer Journal</i> , 2015 , 47, 195-200	2.7	18
152	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
151	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
150	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
149	Controlling charge-density-wave states in nano-thick crystals of 1T-TaS ₂ . <i>Scientific Reports</i> , 2014 , 4, 73024	4.9	102
148	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
147	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
146	A twisted bi-icosahedral Au(25) cluster enclosed by bulky arenethiolates. <i>Chemical Communications</i> , 2014 , 50, 839-41	5.8	40
145	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
144	Influence of Confined Polymer Structure on Proton Transport Property in Sulfonated Polyimide Thin Films. <i>Electrochemistry</i> , 2014 , 82, 865-869	1.2	12
143	Anomalous x-ray scattering studies of functional disordered materials. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012014	0.3	4
142	Hierarchical dielectric orders in layered ferroelectrics Bi ₂ SiO ₅ . <i>IUCrJ</i> , 2014 , 1, 160-4	4.7	24
141	Towards Rational Modulation of In-Plane Molecular Arrangements in Metal-Organic Framework Nanosheets. <i>ChemPlusChem</i> , 2014 , 79, 1352-1360	2.8	40
140	Atomic and electronic structures of an extremely fragile liquid. <i>Nature Communications</i> , 2014 , 5, 5892	17.4	51

139	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
138	Anomalous pressure effect in heteroacene organic field-effect transistors. <i>Physical Review Letters</i> , 2013 , 110, 096603	7.4	21
137	Anionic complexes of MWCNT with supergiant cyanobacterial polyanions. <i>Biopolymers</i> , 2013 , 99, 1-9	2.2	14
136	Edge-dependent transport properties in graphene. <i>Nano Letters</i> , 2013 , 13, 1126-30	11.5	13
135	Air-Stable Cyclohexasulfur as Cocrystal. <i>Crystal Growth and Design</i> , 2013 , 13, 433-436	3.5	6
134	Electric double-layer capacitance between an ionic liquid and few-layer graphene. <i>Scientific Reports</i> , 2013 , 3, 1595	4.9	116
133	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
132	Superconductivity in (NH ₃) _y Cs _{0.4} FeSe. <i>Physical Review B</i> , 2013 , 88,	3.3	45
131	Electric-double-layer transistors with thin crystals of FeSe _{1-x} Tex (x = 0.9 and 1.0). <i>Applied Physics Letters</i> , 2013 , 102, 103506	3.4	7
130	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
129	Superconductivity Induced by Breaking Te ₂ Dimers of AuTe ₂ . <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 063704	1.5	23
128	Development of Fast Scanning Microscopic XAFS Measurement System. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012019	0.3	4
127	Stable delivery of nano-beams for advanced nano-scale analyses. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 052018	0.3	3
126	A hard X-ray nanospectroscopy station at SPring-8 BL39XU. <i>Journal of Physics: Conference Series</i> , 2013 , 430, 012017	0.3	21
125	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	
124	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	
123	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
122	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

121	Synthesis and physical properties of metal-doped picene solids. <i>Physical Review B</i> , 2012 , 86,	3.3	51
120	An oxyhydride of BaTiO ₃ exhibiting hydride exchange and electronic conductivity. <i>Nature Materials</i> , 2012 , 11, 507-11	27	205
119	Oxyhydrides of (Ca,Sr,Ba)TiO ₃ perovskite solid solutions. <i>Inorganic Chemistry</i> , 2012 , 51, 11371-6	5.1	65
118	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
117	Quantitative relation between structure and thermal conductivity in type-I clathrates X ₈ Ga ₁₆ Ge ₃₀ (X = Sr, Ba) based on electrostatic-potential analysis. <i>Physical Review B</i> , 2012 , 85,	3.3	27
116	PEDOT Nanocrystal in Highly Conductive PEDOT:PSS Polymer Films. <i>Macromolecules</i> , 2012 , 45, 3859-3865	5.5	279
115	The Roles of the Ge-Te Core Network and the Sb-Te Pseudo Network During Rapid Nucleation-Dominated Crystallization of Amorphous Ge ₂ Sb ₂ Te ₅ . <i>Advanced Functional Materials</i> , 2012 , 22, 2251-2257	15.6	26
114	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
113	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
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	Characteristics of conjugated hydrocarbon based thin film transistor with ionic liquid gate dielectric. <i>Organic Electronics</i> , 2011 , 12, 2076-2083	3.5	30
110	Metal-intercalated aromatic hydrocarbons: a new class of carbon-based superconductors. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 16476-93	3.6	183
109	Characteristics of field-effect transistors using the one-dimensional extended hydrocarbon [7]phenacene. <i>Applied Physics Letters</i> , 2011 , 98, 013303	3.4	37
108	Electronic phase transition of the valence-fluctuating fulleride Eu _{2.75} C ₆₀ . <i>Physical Review B</i> , 2011 , 83,	3.3	1
107	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
106	Superconductivity in alkali-metal-doped picene. <i>Nature</i> , 2010 , 464, 76-9	50.4	403
105	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
104	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

103	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
102	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
101	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
100	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	0
99	Quantitative analysis of O ₂ gas sensing characteristics of picene thin film field-effect transistors. <i>Organic Electronics</i> , 2010 , 11, 1394-1398	3.5	23
98	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	0
97	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
96	Density functional study of Pt ₄ clusters adsorbed on a carbon nanotube support. <i>Physical Review B</i> , 2009 , 79,	3.3	38
95	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
94	High-performance C60 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
93	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
92	Trap states and transport characteristics in picene thin film field-effect transistor. <i>Applied Physics Letters</i> , 2009 , 94, 043310	3.4	83
91	Effects of carbon supports on Pt nano-cluster catalyst. <i>Computational Materials Science</i> , 2008 , 44, 163-166	3.2	34
90	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
89	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
88	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
87	Transport properties in C60 field-effect transistor with a single Schottky barrier. <i>Applied Physics Letters</i> , 2008 , 92, 173306	3.4	1
86	Device characteristics of carbon nanotube transistor fabricated by direct growth method. <i>Applied Physics Letters</i> , 2008 , 92, 243115	3.4	15

85	Potential barriers to electron carriers in C60 field-effect transistors. <i>Applied Physics Letters</i> , 2008 , 92, 173302	3.4	2
84	High-performance C60 thin-film field-effect transistors with parylene gate insulator. <i>Applied Physics Letters</i> , 2008 , 93, 033316	3.4	16
83	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
82	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
81	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
80	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
79	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
78	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
77	Output properties of C60 field-effect transistors with different source/drain electrodes. <i>Applied Physics Letters</i> , 2007 , 90, 083503	3.4	16
76	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
75	Field-effect modulation of contact resistance between carbon nanotubes. <i>Applied Physics Letters</i> , 2007 , 91, 133515	3.4	10
74	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
73	TRANSPORT PROPERTIES OF FULLERENE NANODEVICES 2007 , 3-8		
72	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
71	Field-effect transistors with thin films of perylene on SiO2 and polyimide gate insulators. <i>Applied Physics Letters</i> , 2006 , 88, 103506	3.4	14
70	Output properties of C60 field-effect transistor device with Eu source/drain electrodes. <i>Applied Physics Letters</i> , 2006 , 89, 083511	3.4	11
69	Fabrication of field-effect transistor devices with fullerodendron by solution process. <i>Applied Physics Letters</i> , 2006 , 88, 173509	3.4	20
68	Intrinsic transport and contact resistance effect in C60 field-effect transistors. <i>Applied Physics Letters</i> , 2006 , 89, 173510	3.4	12

67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	Scanning tunneling microscopy of Dy@C82 and Dy@C60 adsorbed on Si(111)(7x7) surfaces. <i>Physical Review B</i> , 2004 , 69,	3.3	9
59	Fabrication and characteristics of C84 fullerene field-effect transistors. <i>Applied Physics Letters</i> , 2004 , 84, 2572-2574	3.4	47
58	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
57	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
56	Photoconductivity of single-wall carbon nanotube films. <i>Carbon</i> , 2004 , 42, 919-922	10.4	45
55	Structural and Electronic Characterizations of Two Isomers of Ce@C82. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 7580-7585	3.4	27
54	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
53	C70Molecular Stumbling inside Single-Walled Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 45-48	1.5	35
52	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
51	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
50	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

49	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
48	Crystal structure and electronic transport of Dy@C ₈₂ . <i>Physical Review B</i> , 2003 , 67,	3.3	36
47	Fabrication and characterization of C ₆₀ thin-film transistors with high field-effect mobility. <i>Applied Physics Letters</i> , 2003 , 82, 4581-4583	3.4	219
46	Structural and electronic properties of Ce@C ₈₂ . <i>Physical Review B</i> , 2003 , 68,	3.3	31
45	Structural transformation from single-wall to double-wall carbon nanotube bundles. <i>Physical Review B</i> , 2003 , 68,	3.3	95
44	Optical properties of fullerene and non-fullerene peapods. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, 349-354	2.6	208
43	Local electronic transport through a junction of SWNT bundles. <i>Physica B: Condensed Matter</i> , 2002 , 323, 227-229	2.8	9
42	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
41	Ferromagnetism and giant magnetoresistance in the rare-earth fullerenes Eu ₆ SrxC ₆₀ . <i>Physical Review B</i> , 2002 , 65,	3.3	25
40	Structure and physical properties of Cs ₃ @C ₆₀ (R=0.011.0) under ambient and high pressures. <i>Physical Review B</i> , 2002 , 65,	3.3	7
39	Photoconductivity of single-walled carbon nanotubes. <i>AIP Conference Proceedings</i> , 2001 ,	0	3
38	Magnetotransport of carbon nanotubes: magnetic-field-induced metal-insulator transition. <i>Physica B: Condensed Matter</i> , 2001 , 298, 541-545	2.8	10
37	Gas adsorption in the inside and outside of single-walled carbon nanotubes. <i>Chemical Physics Letters</i> , 2001 , 336, 205-211	2.5	269
36	Thermal expansion of single-walled carbon nanotube (SWNT) bundles: X-ray diffraction studies. <i>Physical Review B</i> , 2001 , 64,	3.3	138
35	Multiwalled carbon nanotubes grown in hydrogen atmosphere: An x-ray diffraction study. <i>Physical Review B</i> , 2001 , 64,	3.3	102
34	Photoconductivity in Semiconducting Single-Walled Carbon Nanotubes. <i>Japanese Journal of Applied Physics</i> , 2001 , 40, L1229-L1231	1.4	99
33	A sign of superconductivity in Li-doped rhombohedral boron. <i>AIP Conference Proceedings</i> , 2001 ,	0	2
32	Synchrotron radiation X-ray powder diffractometer with a cylindrical imaging plate. <i>Journal of Applied Crystallography</i> , 2000 , 33, 1241-1245	3.8	48

31	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
30	Structure and Raman scattering of Cs3C60 under high pressure. <i>Physical Review B</i> , 2000 , 62, 5366-5369	3.3	11
29	Crystal Structure of Europium C60 Compounds. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 565-570		2
28	Structural Phase Transition in (NH3)K3C60. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 571-576		
27	Gas Storage in Single-Walled Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 671-676		18
26	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
25	Quantum interference of electrons in multiwall carbon nanotubes. <i>Physical Review B</i> , 1999 , 60, 13492-13496	3.3	79
24	Structural phase transition in the ammoniated alkali C60 compound (NH3)K3C60. <i>Physical Review B</i> , 1999 , 59, 3956-3960	3.3	21
23	Structural, Lattice-Dynamical and Magnetic Properties of Alkali-Metal Intercalated Vermiculite. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 311, 339-344		2
22	Synthesis of New Alkali-Metal-Intercalated Layered-Silicate Compounds and Their Magnetic Properties. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 453, 95		2
21	Dimensionality, Tc and Cu-site substitution effect of iodine-intercalated and oxidized Bi2Sr2CaCu2O8+ δ Interpretation by the multilayer model. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 263, 329-332	1.3	
20	Iodine intercalation in Bi2Sr2Ca(Cu1-zCoz)2O8+ δ with different δ values. <i>Physical Review B</i> , 1996 , 54, 86-89	3.3	6
19	Crystal structure, thermoelectric power and superconductivity in La1.6 δ Nd0.4SrxCuO4. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 84-86	2.8	7
18	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
17	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
16	Clear distinction between the underdoped and overdoped regime in the Tc suppression of Cu-site-substituted high-Tc cuprates. <i>Physical Review B</i> , 1995 , 52, R727-R730	3.3	48
15	Changes of the dimensionality and Tc through the iodine intercalation and oxidation in Bi2Sr2CaCu2O8+ δ single crystals. <i>Physical Review B</i> , 1995 , 52, 15598-15606	3.3	14
14	Growth, Superconductivity and Anisotropy in the Electrical Resistivity of Pb2Sr2Ho0.5Ca0.5Cu3O8 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

13	Effects of iodine intercalation into Bi-based copper oxide superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994 , 7, 123-126		6
12	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
11	Iodine and bromine intercalation into the Bi-2222 phase of Bi ₂ Sr ₂ (Gd _{0.82} Ce _{0.18}) ₂ Cu ₂ O ₁₀ + δ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 224, 31-37	1.3	5
10	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
9	Superconducting energy gap in Bi ₂ Sr ₂ CaCu ₂ O ₈ observed by high-resolution photoemission spectroscopy. <i>Solid State Communications</i> , 1993 , 87, 553-556	1.6	12
8	Crystal structure and superconductivity of iodine-intercalated Bi ₂ Sr ₂ CaCu ₂ O ₈ _{1-x} (0x1). <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 363-370	1.3	16
7	Synthesis and superconductivity of IBr-intercalated Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 212, 191-198	1.3	19
6	Two effects of iodine intercalation on T _c in Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O ₈ : Two-dimensionality and charge transfer. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 29-37	1.3	30
5	Two effects of iodine intercalation on T _c 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
4	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
3	Intercalation of Br and Li in Bi ₂ Sr ₂ Ca _n Cu _n O _{2n+4} . <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 847-848	1.3	11
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	