Shoji Ishibashi

List of Publications by Year
in descending order

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220 papers	4,417 citations	101384 36 h-index	143772 57 g-index
225 all docs	225 docs citations	225 times ranked	4543 citing authors

#	Article	IF	Citations
1	Charge-transport in tin-iodide perovskite CH3NH3SnI3: origin of high conductivity. Dalton Transactions, 2011, 40, 5563.	1.6	342
2	Weyl Node and Spin Texture in Trigonal Tellurium and Selenium. Physical Review Letters, 2015, 114, 206401.	2.9	195
3	A Possible Ground State and Its Electronic Structure of a Mother Material (LaOFeAs) of New Superconductors. Journal of the Physical Society of Japan, 2008, 77, 053709.	0.7	152
4	The origins and properties of intrinsic nonradiative recombination centers in wide bandgap GaN and AlGaN. Journal of Applied Physics, 2018, 123, .	1.1	112
5	Ab initio calculations of electric field-induced stress profiles for diamond[<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>c</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">B</mml:mi><mml:mi mathvariant="normal">N</mml:mi></mml:mrow></mml:math>(110) superlattices. Physical Review B, 2007, 76, .	1.1	84
6	Proton tautomerism for strong polarization switching. Nature Communications, 2017, 8, 14426.	5.8	83
7	Observation of Three-Dimensional Fermi Surfaces in a Single-Component Molecular Metal, [Ni(tmdt)2]. Journal of the American Chemical Society, 2004, 126, 10518-10519.	6.6	76
8	A Single-Component Molecular Superconductor. Journal of the American Chemical Society, 2014, 136, 7619-7622.	6.6	75
9	First-Principles Study of Magnetocrystalline Anisotropy and Magnetization in NdFe₁₂, NdFe₁₁Ti, and NdFe₁₁TiN. Journal of the Physical Society of Japan, 2014, 83, 043702.	0.7	74
10	First-Principles Electronic Structure of Solid Picene. Journal of the Physical Society of Japan, 2009, 78, 113704.	0.7	73
11	Nitrogen vacancies as a common element of the green luminescence and nonradiative recombination centers in Mg-implanted GaN layers formed on a GaN substrate. Applied Physics Express, 2017, 10, 061002.	1.1	70
12	Vacancyâ€type defects and their annealing behaviors in Mgâ€implanted GaN studied by a monoenergetic positron beam. Physica Status Solidi (B): Basic Research, 2015, 252, 2794-2801.	0.7	65
13	Ab InitioElectronic-Structure Calculations for Î±-(BEDT-TTF)2I3. Journal of the Physical Society of Japan, 2006, 75, 015005.	0.7	64
14	Vacancy-oxygen complexes and their optical properties in AlN epitaxial films studied by positron annihilation. Journal of Applied Physics, 2009, 105, .	1.1	63
15	Ab initiolocal stress and its application to Al (111) surfaces. Physical Review B, 2010, 81, .	1.1	62
16	First-principles study on stability and magnetism of NdFe11M and NdFe11MN for Mâ€‰=â€‰Ti, V, Cr, Mn, Fe, Co, Ni, Cu, Zn. Journal of Applied Physics, 2016, 120, .	1.1	62
17	Carrier Trapping by Vacancyâ€Type Defects in Mgâ€Implanted GaN Studied Using Monoenergetic Positron Beams. Physica Status Solidi (B): Basic Research, 2018, 255, 1700521.	0.7	60
18	Noncollinear Magnetism and Spin-Orbit Coupling in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:math>Pyrochlore Oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Cd</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Os</mml:mi><mml:m mathvariant="bold">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Lette	2.9	59

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19	Large electron capture-cross-section of the major nonradiative recombination centers in Mg-doped GaN epilayers grown on a GaN substrate. Applied Physics Letters, 2018, 112, .	1.5	55
20	First-principles study of the rectifying properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Pt</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mt Physical Review B, 2009, 80, .	1.1	54
21	First-principles structural optimization and electronic structure of the superconductor picene for various potassium doping levels. Physical Review B, 2011, 84, .	1.1	54
22	Jahn-Teller distortion and magnetic structure in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>LaMnO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml: A first-principles theoretical study with full structure optimizations. Physical Review B, 2010, 82, .	1.1	53
23	Native cation vacancies in Si-doped AlGaN studied by monoenergetic positron beams. Journal of Applied Physics, 2012, 111, .	1.1	53
24	Polarization Switching Ability Dependent on Multidomain Topology in a Uniaxial Organic Ferroelectric. Nano Letters, 2014, 14, 239-243.	4.5	53
25	Point defects in group-III nitride semiconductors studied by positron annihilation. Journal of Crystal Growth, 2009, 311, 3075-3079.	0.7	51
26	Hydrogen-Bonded Small-Molecular Crystals Yielding Strong Ferroelectric and Antiferroelectric Polarizations. Journal of the Physical Society of Japan, 2020, 89, 051009.	0.7	51
27	Nitrogen as the best interstitial dopant among<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>X</mml:mi><mml:mo>=</mml:mo><mml:mi mathvariant="normal">B</mml:mi></mml:mrow></mml:math>, C, N, O, and F for strong permanent magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>NdFe</mml:mi><mml:mn>11</mml:mn><mml:mn> First-principles study. Physical Review B, 2015, 92, .	1.1	50
28	Static dielectric response and Born effective charge of BN nanotubes fromab initiofinite electric field calculations. Physical Review B, 2007, 75, .	1.1	45
29	Vacancy Clusters on Surfaces of Au Nanoparticles Embedded in MgO. Physical Review Letters, 1999, 83, 4586-4589.	2.9	44
30	Ionic versus Electronic Ferroelectricity in Donorâ€“Acceptor Molecular Sequences. Chemistry Letters, 2014, 43, 26-35.	0.7	43
31	Electronic Structures of Single Component Molecular Metals Based on Ab initio Calculation. Journal of the Physical Society of Japan, 2008, 77, 024702.	0.7	41
32	Strong polarization switching with low-energy loss in hydrogen-bonded organic antiferroelectrics. Chemical Science, 2018, 9, 425-432.	3.7	41
33	Construction of Electron-Positron Momentum Density from Pseudo-Wavefunctions with Better Accuracy. Materials Science Forum, 2004, 445-446, 401-403.	0.3	38
34	Annealing properties of vacancy-type defects in ion-implanted GaN studied by monoenergetic positron beams. Journal of Applied Physics, 2007, 102, 084505.	1.1	38
35	Ab Initio Electronic Structure Calculation for Single-Component Molecular Conductor Au(tmdt)2 (tmdt = Trimethylenetetrathiafulvalenedithiolate). Journal of the Physical Society of Japan, 2005, 74, 843-846.	0.7	37
36	Analysis of Screening Mechanisms for Polar Discontinuity for LaAlO3/SrTiO3 Thin Films Based on Ab initio Calculations. Journal of the Physical Society of Japan, 2008, 77, 104706.	0.7	37

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37	First-principles study of spontaneous polarization in tetrathiafulvalene-p-chloranil (TTF-CA). Physica B: Condensed Matter, 2010, 405, S338-S340.	1.3	37
38	Ab initioelectronic structure of solid coronene: Differences from and commonalities to picene. Physical Review B, 2011, 84, .	1.1	37
39	Single-Component Molecular Metals as Multiband Ï€â€“d Systems. Journal of the Physical Society of Japan, 2008, 77, 023714.	0.7	36
40	Tuning the Magnetic Dimensionality by Charge Ordering in the Molecular TMTTF Salts. Physical Review Letters, 2012, 108, 096402.	2.9	36
41	Study of Superconductors with High Transition Temperature by Positron Annihilation. Japanese Journal of Applied Physics, 1987, 26, L688-L689.	0.8	35
42	First-principles analysis of the optical properties of structural disorder in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msu Physical Review B, 2008, 77, .	1.1	35
43	Crystal structures and physical properties of single-component molecular conductors consisting of nickel and gold complexes with bis(trifluoromethyl)tetrathiafulvalenedithiolate ligands. Journal of Materials Chemistry, 2005, 15, 155.	6.7	34
44	Experimental evidence for fast cluster formation of chain oxygen vacancies in YBa2Cu3O7âˆ’Î´ as the origin of the fishtail anomaly. Solid State Communications, 1999, 112, 245-249.	0.9	33
45	Ab initiopseudopotential calculation for TTF-TCNQ and TSeF-TCNQ. Physical Review B, 2000, 62, 7839-7844.	1.1	33
46	Electronic Structure of Novel Superconductor Ca4Al2O6Fe2As2. Journal of the Physical Society of Japan, 2010, 79, 123713.	0.7	33
47	Defect characterization in Mg-doped GaN studied using a monoenergetic positron beam. Journal of Applied Physics, 2012, 111, .	1.1	33
48	First-principles calculation of positron states and annihilation parameters for group-III nitrides. Journal of Physics: Conference Series, 2014, 505, 012010.	0.3	33
49	Single-component molecular conductor [Pt(dmdt)₂]â€”a three-dimensional ambient-pressure molecular Dirac electron system. Chemical Communications, 2019, 55, 3327-3330.	2.2	31
50	Anion vacancies in CuInSe2. Thin Solid Films, 2001, 387, 129-134.	0.8	30
51	Effect of solid-solution strengthening on deformation mechanisms and strain hardening in medium-entropy V1-Cr CoNi alloys. Journal of Materials Science and Technology, 2022, 108, 270-280.	5.6	30
52	Characterization of superconducting alkali and alkaline-earth fullerides prepared by thermal decomposition of azides. Journal of Physics and Chemistry of Solids, 1993, 54, 1667-1673.	1.9	28
53	Annealing Behavior of Vacancyâ€Type Defects in Mgâ€and Hâ€Implanted GaN Studied Using Monoenergetic Positron Beams. Physica Status Solidi (B): Basic Research, 2019, 256, 1900104.	0.7	27
54	Positron Annihilation Spectroscopy on Nitride-Based Semiconductors. Japanese Journal of Applied Physics, 2013, 52, 08JJ02.	0.8	26

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55	Piezoelectricity of strongly polarized ferroelectrics in prototropic organic crystals. Journal of Materials Chemistry C, 2018, 6, 4714-4719.	2.7	26
56	Room temperature photoluminescence lifetime for the near-band-edge emission of epitaxial and ion-implanted GaN on GaN structures. Japanese Journal of Applied Physics, 2019, 58, SC0802.	0.8	25
57	Vacancy-type defects in Er-doped GaN studied by a monoenergetic positron beam. Journal of Applied Physics, 2008, 103, 104505.	1.1	24
58	Vacancy-type defects in Mg-doped InN probed by means of positron annihilation. Journal of Applied Physics, 2009, 105, .	1.1	24
59	Structureâ€“Property Relationship of Supramolecular Ferroelectric [Hâ€66dmbp][Hca] Accompanied by High Polarization, Competing Structural Phases, and Polymorphs. Chemistry - A European Journal, 2014, 20, 17515-17522.	1.7	24
60	Annealing behaviors of vacancy-type defects in AlN deposited by radio-frequency sputtering and metalorganic vapor phase epitaxy studied using monoenergetic positron beams. Journal of Applied Physics, 2020, 128, .	1.1	24
61	Optically active vacancies in GaN grown on Si substrates probed using a monoenergetic positron beam. Applied Physics Letters, 2014, 104, 082110.	1.5	22
62	Vacancies and electron trapping centers in acidic ammonothermal GaN probed by a monoenergetic positron beam. Journal of Crystal Growth, 2016, 448, 117-121.	0.7	22
63	Field-Induced Antipolarâ€“Polar Structural Transformation and Giant Electrostriction in Organic Crystal. Journal of the American Chemical Society, 2018, 140, 3842-3845.	6.6	22
64	Effects of ultra-high-pressure annealing on characteristics of vacancies in Mg-implanted GaN studied using a monoenergetic positron beam. Scientific Reports, 2020, 10, 17349.	1.6	22
65	Vacancy-Boron Complexes in Plasma Immersion Ion-Implanted Si Probed by a Monoenergetic Positron Beam. Japanese Journal of Applied Physics, 2010, 49, 051301.	0.8	21
66	Spin-orbital frustration in molybdenum pyrochloresA2Mo2O7(A=rare earth). Physical Review B, 2013, 88, .	1.1	21
67	Vacancy-type defects in Al2O3/GaN structure probed by monoenergetic positron beams. Journal of Applied Physics, 2018, 123, .	1.1	21
68	Positron lifetime spectroscopy on the high Tc superconductor Ba2YCu3O7âˆ'ï f. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 128, 387-390.	0.9	20
69	Positron states in C60and potassium-doped C60crystals. Journal of Physics Condensed Matter, 1992, 4, L169-L177.	0.7	20
70	Vacancy-type defects in InxGa1â€“xN alloys probed using a monoenergetic positron beam. Journal of Applied Physics, 2012, 112, .	1.1	20
71	First-principles calculations for the magnetic phase diagram in electron-dopedCaMnO3under compressive and tensile strains. Physical Review B, 2010, 81, .	1.1	19
72	Slab Thickness Dependence of Rashba Splitting on Au(111) Surface: First-Principles and Model Analyses. Journal of the Physical Society of Japan, 2011, 80, 074713.	0.7	19

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73	Origin of surface stress on late transition metal surfaces:Ab initiolocal stress and tight-binding model. Physical Review B, 2013, 87, .	1.1	19
74	Positron lifetime in oxide superconductors YBa2(Cu1-xMx)O7-y(M=Fe, Ni, Zn). Journal of Physics Condensed Matter, 1991, 3, 9169-9184.	0.7	18
75	Impact of Cu/III ratio on the near-surface defects in polycrystalline CuGaSe2 thin films. Applied Physics Letters, 2011, 98, 112105.	1.5	18
76	Mechanism of covalency-induced electric polarization within the framework of maximally localized Wannier orbitals. Physical Review B, 2015, 91, .	1.1	18
77	A fully automated approach to calculate the melting temperature of elemental crystals. Computational Materials Science, 2021, 187, 110065.	1.4	18
78	First-Principles Study of the Stability and Interfacial Bonding of Tilt and Twist Grain Boundaries in Al and Cu. Materials Transactions, 2009, 50, 11-18.	0.4	17
79	Computational findings of metastable ferroelectric phases of squaric acid. Physical Review B, 2018, 97, .	1.1	17
80	Correlation analysis of strongly fluctuating atomic volumes, charges, and stresses in body-centered cubic refractory high-entropy alloys. Physical Review Materials, 2020, 4, .	0.9	17
81	Electronic States of Single-Component Molecular Conductors [M(tmdt)₂]. Journal of the Physical Society of Japan, 2013, 82, 054711.	0.7	16
82	Exotic Ferroelectricity in Tetrathiafulvalene-p-Chloranil: Anomalous Effective Charges and a Picture in the Framework of Maximally Localized Wannier Orbitals. Journal of the Physical Society of Japan, 2014, 83, 073702.	0.7	16
83	Correlated Proton Transfer and Ferroelectricity along Alternating Zwitterionic and Nonzwitterionic Anthranilic Acid Molecules. Chemistry of Materials, 2015, 27, 6193-6197.	3.2	16
84	Vacancy-type defects in InxGa1â^'xN grown on GaN templates probed using monoenergetic positron beams. Journal of Applied Physics, 2013, 114, .	1.1	15
85	Vacancy-type defects in bulk GaN grown by the Na-flux method probed using positron annihilation. Journal of Crystal Growth, 2017, 475, 261-265.	0.7	15
86	First-Principles Electronic-Structure Study for Organic Ferroelectric Tetrathiafulvaleneâ€“ p-Bromanil. Journal of the Physical Society of Japan, 2010, 79, 043703.	0.7	14
87	(Invited) Point Defect Characterization of Group-III Nitrides by Using Monoenergetic Positron Beams. ECS Transactions, 2014, 61, 19-30.	0.3	14
88	Computational study of positron annihilation parameters for cation mono-vacancies and vacancy complexes in nitride semiconductor alloys. Journal of Physics Condensed Matter, 2019, 31, 475401.	0.7	14
89	Multi-Orbital Molecular Compound (TTM-TTP)I₃: Effective Model and Fragment Decomposition. Journal of the Physical Society of Japan, 2011, 80, 013703.	0.7	13
90	First-Principles Study of Structural and Magnetic Properties of R(Fe,Ti)₁₂ and R(Fe,Ti)₁₂N (R = Nd, Sm, Y). , 2015, , .		13

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91	Coexistence of normal and inverse deuterium isotope effects in a phase-transition sequence of organic ferroelectrics. RSC Advances, 2019, 9, 39662-39673.	1.7	13
92	Improved minority carrier lifetime in p-type GaN segments prepared by vacancy-guided redistribution of Mg. Applied Physics Letters, 2021, 119, .	1.5	13
93	Positronic probe of vacancy defects on surfaces of Au nanoparticles embedded in MgO. Physical Review B, 2001, 64, .	1.1	12
94	Schottky-barrier heights of metal/alpha-SiC{0001} interfaces by first-principles calculations. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 2972-2976.	0.8	12
95	First-principles electronic-band calculations on organic conductors. Science and Technology of Advanced Materials, 2009, 10, 024311.	2.8	12
96	Spin-canting in lightly electron-doped CaMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	12
97	First-principles studies of spin-orbital physics in pyrochlore oxides. Journal of Physics Condensed Matter, 2019, 31, 323001.	0.7	12
98	Hydrogen-Bonded Architectures and Field-Induced Polarization Switching in Bridged Bis(benzimidazole) Crystals. Crystal Growth and Design, 2019, 19, 328-335.	1.4	12
99	Dopant activation process in Mg-implanted GaN studied by monoenergetic positron beam. Scientific Reports, 2021, 11, 20660.	1.6	12
100	Annealing behaviors of vacancy-type defects near interfaces between metal contacts and GaN probed using a monoenergetic positron beam. Applied Physics Letters, 2014, 105, 052108.	1.5	11
101	Electron capture by vacancy-type defects in carbon-doped GaN studied using monoenergetic positron beams. Thin Solid Films, 2017, 639, 78-83.	0.8	11
102	Ab initiopseudopotential calculation for (TMTSF)2ClO4. Journal of Physics Condensed Matter, 1999, 11, 2279-2283.	0.7	10
103	A Possible Ground State and Its Electronic Structure of LaFeAsO. Journal of the Physical Society of Japan, 2008, 77, 91-95.	0.7	10
104	Control of intrinsic defects in molecular beam epitaxy grown CuInSe2. Journal of Crystal Growth, 1999, 201-202, 1061-1064.	0.7	9
105	First-Principles Calculations of Schottky Barrier Heights of Monolayer Metal/6<I>H</I>-SiC{0001} Interfaces. Materials Transactions, 2006, 47, 2690-2695.	0.4	9
106	Second-Order Perturbation Formula for Magnetocrystalline Anisotropy Using Orbital Angular Momentum Matrix. Journal of the Physical Society of Japan, 2014, 83, 044707.	0.7	9
107	Vacancy-type defects in Mg-doped GaN grown by ammonia-based molecular beam epitaxy probed using a monoenergetic positron beam. Journal of Applied Physics, 2016, 119, 245702.	1.1	9
108	Positron annihilation studies of the iron-substituted oxide superconductor YBa2(Cu1-xFex)3O7-y. Journal of Physics Condensed Matter, 1990, 2, 3691-3696.	0.7	8

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109	Electron-positron momentum density in TTF-TCNQ. Physical Review B, 1997, 55, 2048-2055.	1.1	8
110	Ab initioelectronic structure study for TTF-TCNQ under uniaxial compression. Physical Review B, 2004, 69, .	1.1	8
111	Structures and Physical Properties of Highly Conducting Singleâ€Component Molecular Conductors Containing Se Atoms. European Journal of Inorganic Chemistry, 2009, 2009, 1585-1591.	1.0	8
112	Vacancy-type defects introduced by plastic deformation of GaN studied using monoenergetic positron beams. Journal of Applied Physics, 2013, 114, .	1.1	8
113	Computational studies of positron states and annihilation parameters in semiconductors â€“ vacancy-type defects in group-III nitrides â€“. Journal of Physics: Conference Series, 2016, 674, 012020.	0.3	8
114	Single-Component Molecular Conductors â€” Multi-Orbital Correlated Ï€-d Electron Systems. Bulletin of the Chemical Society of Japan, 2021, 94, 2540-2562.	2.0	8
115	Large polarization and record-high performance of energy storage induced by a phase change in organic molecular crystals. Chemical Science, 2021, 12, 14198-14206.	3.7	8
116	Vacancy-impurity complexes in polycrystalline Si used as gate electrodes of HfSiON-based metal-oxide-semiconductors probed using monoenergetic positron beams. Journal of Applied Physics, 2006, 100, 034509.	1.1	7
117	Point defects introduced by InN alloying into InxGa1â^'xN probed using a monoenergetic positron beam. Journal of Applied Physics, 2013, 113, 123502.	1.1	7
118	Metaelectric multiphase transitions in a highly polarizable molecular crystal. Chemical Science, 2020, 11, 6183-6192.	3.7	7
119	Effect of Ultraâ€Highâ€Pressure Annealing on Defect Reactions in Ionâ€Implanted GaN Studied by Positron Annihilation. Physica Status Solidi (B): Basic Research, 2022, 259, .	0.7	7
120	Positron annihilation studies of superconductors with high transition temperatures. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1987, 148, 497-499.	0.9	6
121	In-situ X-ray photoemission spectroscopy of layered structure. Journal of Physics and Chemistry of Solids, 1993, 54, 1207-1210.	1.9	6
122	In-situ characterization of doping-effect on electronic structure of epitaxial films of infinite layer SrCuO2. European Physical Journal D, 1996, 46, 2683-2684.	0.4	6
123	Ab initio Pseudopotential Band Calculation of Organic Conductors. Journal of Low Temperature Physics, 1999, 117, 1753-1757.	0.6	6
124	Calculation of positron states in carbon-nanotube bundles. Journal of Physics Condensed Matter, 2002, 14, 9753-9762.	0.7	6
125	Electronic Structure of Cu(tmdt)2 Studied with First-Principles Calculations. Crystals, 2012, 2, 1210-1221.	1.0	6
126	Spin frustration, charge ordering, and enhanced antiferromagnetism in TMTTF2SbF6. Physica B: Condensed Matter, 2012, 407, 1783-1786.	1.3	6

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127	Computational Study of Positronâ€“Monovacancy Interaction in d-Block Metals. Journal of the Physical Society of Japan, 2015, 84, 083703.	0.7	6
128	Antiferromagnetic Mott insulating state in the single-component molecular material Pd(tmdt) <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 96, .	1.1	6
129	Polarity-dependence of the defect formation in c-axis oriented ZnO by the irradiation of an 8â€‰MeV proton beam. Journal of Applied Physics, 2018, 123, 161562.	1.1	6
130	Hole capture-coefficient of intrinsic nonradiative recombination centers that commonly exist in bulk, epitaxial, and proton-irradiated ZnO. Journal of Applied Physics, 2020, 127, 215704.	1.1	6
131	Vacancy-type defects in bulk GaN grown by oxide vapor phase epitaxy probed using positron annihilation. Journal of Crystal Growth, 2021, 570, 126219.	0.7	6
132	Resonant tunneling driven metal-insulator transition in double quantum-well structures of strongly correlated oxide. Nature Communications, 2021, 12, 7070.	5.8	6
133	Calculations of positron states in fullerenes. Synthetic Metals, 1993, 56, 3074-3079.	2.1	5
134	Positron Lifetime Study on Semiconductor Thin Films. Materials Science Forum, 1997, 255-257, 714-717.	0.3	5
135	Calculation of positron states inC60. Physical Review B, 2003, 67, .	1.1	5
136	Vacancy-type defects in strained-Si layers deposited on SiGeâˆ•Si structures probed by using monoenergetic positron beams. Journal of Applied Physics, 2005, 97, 023532.	1.1	5
137	Vacancy-fluorine complexes and their impact on the properties of metal-oxide transistors with high-k gate dielectrics studied using monoenergetic positron beams. Journal of Applied Physics, 2007, 102, 054511.	1.1	5
138	Effect of V/III flux ratio on luminescence properties and defect formation of Er-doped GaN. Applied Physics Letters, 2010, 96, 051907.	1.5	5
139	First-Principles Electronic Structure of Superconductor Ca4Al2O6Fe2P2: Comparison with LaFePO and Ca4Al2O6Fe2As2. Journal of the Physical Society of Japan, 2012, 81, 014701.	0.7	5
140	Vacancy clusters introduced by CF₄-based plasma treatment in GaN probed with a monoenergetic positron beam. Applied Physics Express, 2014, 7, 121001.	1.1	5
141	Reduced nonradiative recombination rates in c-plane Al0.83In0.17N films grown on a nearly lattice-matched GaN substrate by metalorganic vapor phase epitaxy. Applied Physics Letters, 2021, 119, .	1.5	5
142	Positron states in Î²-(BEDT-TTF)2I3. Solid State Communications, 1993, 85, 397-399.	0.9	4
143	Surface study ofa,bâ€axis oriented YBa2Cu3O7âˆ’Î´epitaxial thin films byinsituangle resolved xâ€ray photoemission spectroscopy. Applied Physics Letters, 1993, 63, 2967-2969.	1.5	4
144	A method of calculating k-dependent positron states based on the finite-difference approximation. Journal of Physics Condensed Matter, 1994, 6, L71-L74.	0.7	4

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145	Positron lifetimes in molecular crystals. Canadian Journal of Physics, 1996, 74, 534-539.	0.4	4
146	Thermal Equilibrium Defects in Anthracene Probed by Positron Annihilation. Japanese Journal of Applied Physics, 1996, 35, 3623-3629.	0.8	4
147	Calculation of Positron ACAR Spectra on C₆₀. Materials Science Forum, 1997, 255-257, 542-544.	0.3	4
148	Electron-positron momentum density in(TMTSF)2ClO4. Physical Review B, 1999, 60, R3747-R3750.	1.1	4
149	Ab initio calculation of positron distribution, ACAR and lifetime in TTF-TCNQ. Radiation Physics and Chemistry, 2000, 58, 437-441.	1.4	4
150	Ab initioelectronic structure calculation forÎ±â€²TDAEâ^'C60. Physical Review B, 2002, 65, .	1.1	4
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