

# Yuji Matsumoto

## List of Publications by Year in descending order

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268  
papers

8,681  
citations

76196

40  
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48187

88  
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271  
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271  
docs citations

271  
times ranked

8142  
citing authors

#	ARTICLE	IF	CITATIONS
1	Room-Temperature Ferromagnetism in Transparent Transition Metal-Doped Titanium Dioxide. <i>Science</i> , 2001, 291, 854-856.	6.0	2,376
2	High throughput fabrication of transition-metal-doped epitaxial ZnO thin films: A series of oxide-diluted magnetic semiconductors and their properties. <i>Applied Physics Letters</i> , 2001, 78, 3824-3826.	1.5	575
3	Magneto-optical properties of ZnO-based diluted magnetic semiconductors. <i>Journal of Applied Physics</i> , 2001, 89, 7284-7286.	1.1	284
4	Room-temperature stimulated emission of excitons in ZnO/(Mg, Zn)O superlattices. <i>Applied Physics Letters</i> , 2000, 77, 2204-2206.	1.5	253
5	High-Mobility C60 Field-Effect Transistors Fabricated on Molecular-Wetting Controlled Substrates. <i>Advanced Materials</i> , 2006, 18, 1713-1716.	11.1	213
6	Quantum Criticality Without Tuning in the Mixed Valence Compound $\text{Pr}_2\text{YbAlB}_4$ . <i>Science</i> , 2011, 331, 316-319.	6.0	199
7	Combinatorial Laser Molecular Beam Epitaxy (MBE) Growth of Mg-Zn-O Alloy for Band Gap Engineering. <i>Japanese Journal of Applied Physics</i> , 1999, 38, L603-L605.	0.8	178
8	Ferromagnetism in Co-Doped TiO <sub>2</sub> Rutile Thin Films Grown by Laser Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , 2001, 40, L1204-L1206.	0.8	178
9	Large magneto-optical effect in an oxide diluted magnetic semiconductor $\text{Zn}_{1-x}\text{Co}_x\text{O}$ . <i>Applied Physics Letters</i> , 2001, 78, 2700-2702.	1.5	173
10	Anatase TiO <sub>2</sub> thin films grown on lattice-matched LaAlO <sub>3</sub> substrate by laser molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2001, 78, 2664-2666.	1.5	149
11	Phase boundaries of nanometer scale (2 $\times$ 2)-O domains on the Cu(100) surface. <i>Physical Review B</i> , 1996, 54, 2167-2174.	1.1	112
12	Crystal-Face Dependences of Surface Band Edges and Hole Reactivity, Revealed by Preparation of Essentially Atomically Smooth and Stable (110) and (100) n-TiO <sub>2</sub> (Rutile) Surfaces. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1648-1651.	1.2	112
13	Trap-controlled space-charge-limited current mechanism in resistance switching at Al <sub>0.7</sub> Pr <sub>0.3</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> interface. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	106
14	Combinatorial laser MBE synthesis of 3d ion doped epitaxial ZnO thin films. <i>Journal of Crystal Growth</i> , 2000, 214-215, 55-58.	0.7	104
15	Effect of A-site cation ordering on the magnetoelectric properties in [(LaMnO <sub>3</sub> ) <sub>m</sub> /(SrMnO <sub>3</sub> ) <sub>m</sub> ]artificial superlattices. <i>Physical Review B</i> , 2002, 66, .	1.1	104
16	Preparation of Atomically Smooth TiO <sub>2</sub> Single Crystal Surfaces and Their Photochemical Property. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L511-L514.	0.8	95
17	Combinatorial solid state materials science and technology. <i>Science and Technology of Advanced Materials</i> , 2000, 1, 1-10.	2.8	91
18	High-Throughput Characterization of Metal Electrode Performance for Electric-Field-Induced Resistance Switching in Metal/Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /Metal Structures. <i>Advanced Materials</i> , 2007, 19, 1711-1713.	11.1	88

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19	Combinatorial synthesis of Li-doped NiO thin films and their transparent conducting properties. Applied Surface Science, 2006, 252, 2524-2528.	3.1	82
20	Cobalt valence states and origins of ferromagnetism in Co doped TiO <sub>2</sub> rutile thin films. Journal of Applied Physics, 2004, 95, 5330-5333.	1.1	71
21	Vapor-liquid-solid tri-phase pulsed-laser epitaxy of R <sub>Ba</sub> 2Cu3O <sub>7-<math>\delta</math></sub> single-crystal films. Applied Physics Letters, 2002, 80, 61-63.	1.5	64
22	Growth of Single-Crystal Phase Pentacene in Ionic Liquids by Vacuum Deposition. Crystal Growth and Design, 2011, 11, 2273-2278.	1.4	62
23	Investigation of ZnO/sapphire interface and formation of ZnO nanocrystalline by laser MBE. Applied Surface Science, 2000, 159-160, 514-519.	3.1	59
24	A New Catalyst for Selective Oxidation of CO in H <sub>2</sub> : Part 1, Activation by Depositing a Large Amount of FeOx on Pt/Al <sub>2</sub> O <sub>3</sub> and Pt/CeO <sub>2</sub> Catalysts. Catalysis Letters, 2004, 92, 115-121.	1.4	59
25	Thermal Hall Effect in a Phonon-Glass $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < \text{mml:mrow} > < \text{mml:msub} > < \text{mml:mrow} > < \text{mml:mi} > \text{Ba} < / \text{mml:mi} > < / \text{mml:mrow} > < \text{mml:mrow} > < \text{mml:mn} > 3 < / \text{mml:mn} > < / \text{mml:mrow} > < \text{mml:mathvariant="normal"} > \text{O} < / \text{mml:mi} > < / \text{mml:mrow} > < \text{mml:mrow} > < \text{mml:mn} > 9 < / \text{mml:mn} > < / \text{mml:mrow} > < / \text{mml:msub} > < / \text{mml:mrow} > < / \text{mml:math} \rangle \rangle \rangle$ system. Physical Review Letters, 2017, 118, 145902.	2.9	59
26	Photochemical switching of ultrathin PbTiO <sub>3</sub> films. Applied Physics Letters, 2008, 92, 112901.	1.5	58
27	Growth rate and surface morphology of 4H-SiC crystals grown from Si-Cr-C and Si-Cr-Al-C solutions under various temperature gradient conditions. Journal of Crystal Growth, 2014, 401, 681-685.	0.7	58
28	Structural control and combinatorial doping of titanium dioxide thin films by laser molecular beam epitaxy. Applied Surface Science, 2002, 189, 344-348.	3.1	56
29	Concurrent x-ray diffractometer for high throughput structural diagnosis of epitaxial thin films. Applied Physics Letters, 2001, 79, 3594-3596.	1.5	55
30	Epitaxial Bi <sub>5</sub> Ti <sub>3</sub> FeO <sub>15</sub> $\hat{=}$ CoFe <sub>2</sub> O <sub>4</sub> Pillar-Matrix Multiferroic Nanostructures. ACS Nano, 2013, 7, 11079-11086.	7.3	55
31	Design of Combinatorial Shadow Masks for Complete Ternary-Phase Diagramming of Solid State Materials. ACS Combinatorial Science, 2004, 6, 50-53.	3.3	53
32	Epitaxial growth and surface metallic nature of LaNiO <sub>3</sub> thin films. Applied Physics Letters, 2008, 92, .	1.5	52
33	Organic single crystal transistor characteristics of single-crystal phase pentacene grown by ionic liquid-assisted vacuum deposition. Applied Physics Letters, 2012, 101, 083303.	1.5	51
34	Ferromagnetic properties of epitaxial La <sub>2</sub> NiMnO <sub>6</sub> thin films grown by pulsed laser deposition. Applied Physics Letters, 2009, 94, .	1.5	49
35	Molecular Beam Deposition of Nanoscale Ionic Liquids in Ultrahigh Vacuum. ACS Nano, 2010, 4, 5946-5952.	7.3	49
36	Novel In-Gap Spin State in Zn-Doped La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . Physical Review Letters, 2003, 91, 067002.	2.9	48

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37	Field-effect transistor based on atomically flat rutile TiO <sub>2</sub> . Applied Physics Letters, 2006, 89, 242103.	1.5	47
38	Effect of aluminum addition on the surface step morphology of 4H-SiC grown from Si-Cr-C solution. Journal of Crystal Growth, 2015, 423, 45-49.	0.7	45
39	Electronic structure characterization of La <sub>2</sub> NiMnO <sub>6</sub> epitaxial thin films using synchrotron-radiation photoelectron spectroscopy and optical spectroscopy. Applied Physics Letters, 2009, 94, .	1.5	43
40	Growth of Nanosize Ni Thin Films on a Modified c(2 $\sqrt{2}$ -2)-N Cu(100) Surface. Japanese Journal of Applied Physics, 1998, 37, L154-L157.	0.8	41
41	Low-energy excitations and ground-state selection in the quantum breathing pyrochlore antiferromagnet $\text{Ba}_{1-x}\text{Mn}_{1-x}\text{O}_{11}$ . Physical Review B, 2016, 93, .		
42	High quality anatase TiO <sub>2</sub> film: Field-effect transistor based on anatase TiO <sub>2</sub> . Applied Physics Letters, 2008, 92, .	1.5	40
43	Perfect Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Single-Crystal Films via Flux-Mediated Epitaxy. Advanced Functional Materials, 2006, 16, 485-491.	7.8	39
44	Molecular Layer-by-Layer Growth of C <sub>60</sub> Thin Films by Continuous-Wave Infrared Laser Deposition. Applied Physics Express, 2008, 1, 015005.	1.1	39
45	Electronic inhomogeneity of heavily overdoped Bi <sub>2-x</sub> Pb <sub>x</sub> Sr <sub>2</sub> CuO <sub>7</sub> studied by low-temperature scanning tunneling microscopy/spectroscopy. Physical Review B, 2006, 73, .	1.1	37
46	STM studies of a catalytically active p(3 $\sqrt{3}$ -1) Pt <sub>1-x</sub> Rh <sub>x</sub> (100) alloy surface. Surface Science, 1996, 355, 109-114.	0.8	35
47	Deterministic arbitrary switching of polarization in a ferroelectric thin film. Nature Communications, 2014, 5, 4971.	5.8	35
48	Growth dynamics of the epitaxial SrO film on SrTiO <sub>3</sub> (001). Journal of Crystal Growth, 2002, 234, 505-508.	0.7	34
49	Homo-epitaxial growth of rutile TiO <sub>2</sub> film on step and terrace structured substrate. Applied Surface Science, 2004, 238, 189-192.	3.1	34
50	Self-organized structure in Co thin film growth on c(2 $\sqrt{2}$ -2)-Ni-Cu(100) surfaces. Surface Science, 2000, 450, 44-50.	0.8	31
51	Ionic Conductivity in Ionic Liquid Nano Thin Films. ACS Nano, 2018, 12, 10509-10517.	7.3	31
52	Dynamics of laser sputtering at GaN, GaP, and GaAs surfaces. Journal of Applied Physics, 1991, 70, 3268-3274.	1.1	30
53	Fabrication and photoelectrochemical properties of La <sub>5</sub> Ti <sub>2</sub> MS <sub>5</sub> O <sub>7</sub> (M=Ag, Cu) electrodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 275-278.	1.7	27
54	Combinatorial Investigation of Spintronic Materials. MRS Bulletin, 2003, 28, 734-739.	1.7	26

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55	Development of scanning microwave microscope with a lumped-constant resonator probe for high-throughput characterization of combinatorial dielectric materials. Applied Surface Science, 2002, 189, 222-226.	3.1	25
56	A high-resolution transmission electron microscopy investigation of the microstructure of TiO <sub>2</sub> anatase film deposited on LaAlO <sub>3</sub> and SrTiO <sub>3</sub> substrates by laser ablation. Thin Solid Films, 2003, 441, 140-144.	0.8	25
57	Mathematical design of linear action masks for binary and ternary composition spread film library. Applied Surface Science, 2004, 223, 9-13.	3.1	25
58	Flux-mediated epitaxy: general application in vapor phase epitaxy to single crystal quality of complex oxide films. Journal of Crystal Growth, 2005, 275, 325-330.	0.7	25
59	Fabrication of cosputtered ZnInSnO films and their applications to organic light-emitting diodes. Solid State Communications, 2009, 149, 1731-1734.	0.9	25
60	NMR/NQR and Specific Heat Studies of Iron Pnictide Superconductor KFeAs <sub>2</sub> . Journal of the Physical Society of Japan, 2011, 80, SA118.	0.7	25
61	Spin-Filter Tunnel Junction with Matched Fermi Surfaces. Physical Review Letters, 2012, 109, 076602.	2.9	25
62	Transparent conducting amorphous ZnInSnO anode for flexible organic light-emitting diodes. Solid State Communications, 2010, 150, 223-226.	0.9	24
63	Ionic liquid-mediated epitaxy of high-quality C60 crystallites in a vacuum. CrystEngComm, 2012, 14, 4939.	1.3	24
64	Growth of Cu <sub>2</sub> O chains on Ag(110) surfaces. Surface Science, 1995, 325, L435-L440.	0.8	21
65	Combinatorial fabrication and cathodoluminescence properties of composition spread MHfO <sub>3</sub> :Tm <sup>3+</sup> (M) thin films. Applied Surface Science, 2005, 211, 107-114.	3.1	21
66	Surface termination effect on the photocatalysis on atomically controlled SrTiO <sub>3</sub> (001) surface. Thin Solid Films, 2005, 486, 11-14.	0.8	21
67	STM studies of oxygen-induced reconstruction on a Pt <sub>1-x</sub> Rh <sub>x</sub> (100) alloy surface. Surface Science, 1997, 377-379, 32-37.	0.8	20
68	High-throughput optical characterization for the development of a ZnO-based ultraviolet semiconductor-laser. Applied Surface Science, 2002, 189, 277-283.	3.1	20
69	Combinatorial Experimentation and Materials Informatics. MRS Bulletin, 2006, 31, 999-1003.	1.7	20
70	Combinatorial synthesis and luminescent characteristics of RECa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> epitaxial thin films. Applied Surface Science, 2004, 223, 241-244.	3.1	19
71	Nonfaceted Growth of (111)-Oriented Epitaxial Alkali-Halide Crystals via an Ionic Liquid Flux in a Vacuum. Crystal Growth and Design, 2010, 10, 3608-3611.	1.4	19
72	Quantitative Analysis of Nanoscale Step Dynamics in High-Temperature Solution-Grown Single Crystal 4H-SiC via In Situ Confocal Laser Scanning Microscope. Crystal Growth and Design, 2017, 17, 2844-2851.	1.4	19

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73	Growth and ordering of Cu O chains on Ag(110) surface. Surface Science, 1995, 336, L762-L766.	0.8	18
74	A reversible reaction forming (i—,Cu—,O—) strings and (Cu) <sub>6</sub> -clusters on Ag(110) shown by STM. Surface Science, 1996, 350, L227-L231.	0.8	18
75	Structure of NiO and Li-doped NiO single crystalline thin layers with atomically flat surface. Thin Solid Films, 2005, 486, 214-217.	0.8	18
76	Thickness-Dependent Flat Band Potential of Anatase TiO <sub>2</sub> (001) Epitaxial Films on Nb:SrTiO <sub>3</sub> (001) Investigated by UHV-Electrochemistry Approach. Journal of Physical Chemistry C, 2016, 120, 1472-1477.	1.5	18
77	Growth of NdBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> single crystal thin films by tri-phase epitaxy. Physica C: Superconductivity and Its Applications, 2002, 378-381, 1202-1208.	0.6	17
78	Combinatorial Scanning Tunneling Microscopy Study of Cr Deposited on Anatase TiO <sub>2</sub> (001) Surface. Langmuir, 2004, 20, 3018-3020.	1.6	17
79	Combinatorial discovery of anomalous substrate effect on the photochemical properties of transition metal-doped epitaxial SrTiO <sub>3</sub> heterostructures. Applied Surface Science, 2006, 252, 2603-2607.	3.1	17
80	Nanoskyscrapers of ferroelectric Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> . Applied Physics Letters, 2006, 88, 152904.	1.5	17
81	Influence of substrates on epitaxial growth of B-site-ordered perovskite La <sub>2</sub> NiMnO <sub>6</sub> thin films. Journal of Applied Physics, 2011, 110, .	1.1	17
82	Nano-scale patterning of metal surfaces by adsorption and reaction. Applied Surface Science, 1998, 130-132, 475-483.	3.1	16
83	Combinatorial synthesis and high-throughput evaluation of doped TiO <sub>2</sub> thin films for the development of photocatalysts. , 2000, , .		16
84	Concept and development of combinatorial laser MBE for oxide electronics. Physica C: Superconductivity and Its Applications, 2000, 335, 245-250.	0.6	16
85	Evidence for the intrinsic nature of band-gap states electrochemically observed on atomically flat TiO <sub>2</sub> (110) surfaces. Physical Chemistry Chemical Physics, 2014, 16, 24784-24789.	1.3	16
86	Combinatorial fabrication and characterization of ferromagnetic Ti—Co—O system. Applied Surface Science, 2004, 223, 245-248.	3.1	15
87	Electrode dependence and film resistivity effect in the electric-field-induced resistance-switching phenomena in epitaxial NiO films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 40-42.	1.7	15
88	Epilayer control of photodeposited materials during UV photocatalysis. Applied Physics Letters, 2009, 94, 232901.	1.5	15
89	Hetero-Epitaxial Growth of ZnO Film by Temperature-Modulated Metalorganic Chemical Vapor Deposition. Applied Physics Express, 0, 2, 045502.	1.1	15
90	Chemical trend of Fermi-level shift in transition metal-doped TiO <sub>2</sub> films. Journal of the Ceramic Society of Japan, 2010, 118, 993-996.	0.5	15

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91	Nanoscale oxygen nonstoichiometry in epitaxial TiO <sub>2</sub> films grown by pulsed laser deposition. Journal of Applied Physics, 2011, 110, 103513.	1.1	15
92	Growth behaviours of pentacene films confined in engineered shapes of ionic-liquid in vacuum. CrystEngComm, 2014, 16, 684-689.	1.3	15
93	Combinatorial Synthesis of Epitaxial LiCoO <sub>2</sub> Thin Films on SrTiO <sub>3</sub> (001) via On-Substrate Sintering of Li <sub>2</sub> CO <sub>3</sub> and CoO by Pulsed Laser Deposition. ACS Precise Measurements of Differential Cross Sections of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:msup}<\text{mml:mi mathvariant="normal">\hat{\Sigma}</mml:mi><\text{mml:mo}>\hat{\sim}</mml:mo><\text{mml:mo}>\langle \text{mml:msup}<\text{mml:mi}>p</mml:mi><\text{mml:mo}>\langle \text{mml:mi}>\langle \text{mml:mi}>n</mml:mi></mml:math>$ Reaction in Momentum Range	3.8	15
94	Reaction in Momentum Range	2.9	15
95	Combinatorial exploration of flux material for Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> single crystal film growth. Applied Surface Science, 2006, 252, 2477-2481.	3.1	14
96	Electrochemical impedance analysis of electric field dependence of the permittivity of SrTiO <sub>3</sub> and TiO <sub>2</sub> single crystals. Journal of Applied Physics, 2011, 109, 014112.	1.1	14
97	Effects of V-Ion Doping on the Photoelectrochemical Properties of Epitaxial TiO <sub>2</sub> (110) Thin Films on Nb-Doped TiO <sub>2</sub> (110) Single Crystals. Journal of Physical Chemistry C, 2012, 116, 16951-16956.	1.5	14
98	Direct Synthesis of Porous Polyurea Films by Vapor Deposition Polymerization in Ionic Liquid. ACS Macro Letters, 2016, 5, 1009-1013.	2.3	14
99	Combinatorial optimization of atomically controlled growth for oxide films by the carousel type laser molecular beam epitaxy. Applied Surface Science, 2002, 197-198, 532-535.	3.1	13
100	Synthesis of epitaxial Y-type magnetoplumbite thin films by quick optimization with combinatorial pulsed laser deposition. Journal of Crystal Growth, 2003, 247, 105-109.	0.7	13
101	Electric field effect in pulsed laser deposition of epitaxial ZnO thin film. Applied Physics A: Materials Science and Processing, 2004, 79, 807-809.	1.1	13
102	Development of a new combinatorial mask for addressable ternary phase diagramming: application to rare earth doped phosphors. Applied Surface Science, 2004, 223, 249-252.	3.1	13
103	Development of compact CW-IR laser deposition system for high-throughput growth of organic single crystals. Science and Technology of Advanced Materials, 2011, 12, 054210.	2.8	13
104	Large Tunnel Magnetoresistance in Epitaxial Oxide Spin-Filter Tunnel Junctions. Advanced Functional Materials, 2012, 22, 4471-4475.	7.8	13
105	Epitaxial growth of atomically flat KBr(111) films via a thin film ionic liquid in a vacuum. CrystEngComm, 2016, 18, 3399-3403.	1.3	13
106	Fabrication of Nd <sub>1-x</sub> CaxBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> (x=0-0.3) single crystalline films by tri-phase epitaxy. Journal of Crystal Growth, 2004, 262, 308-312.	0.7	12
107	Atomic force microscope analysis of photodecomposition of pentacene film on the epitaxial thin film photocatalyst library. Measurement Science and Technology, 2005, 16, 199-202.	1.4	12
108	Composition-spread thin films of pentacene and 6,13-pentacenequinone fabricated by using continuous-wave laser molecular beam epitaxy. Applied Surface Science, 2008, 254, 2336-2341.	3.1	12

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109	Reduction of nonradiative recombination center for ZnO films grown under Zn-rich conditions by metal organic chemical vapor deposition. Applied Physics Letters, 2010, 97, 131913.	1.5	12
110	4H-SiC Growth from Si-Cr-C Solution under Al and N Co-Doping Conditions. Materials Science Forum, 0, 821-823, 9-13.	0.3	12
111	Selective Photobleaching of (Ag-O) Strings on the Ag(110) Surface. Journal of the American Chemical Society, 1996, 118, 9676-9679.	6.6	11
112	STM observation of restructured Cu(001) surfaces induced by Li deposition. Surface Science, 1997, 393, L69-L76.	0.8	11
113	Photodecomposition of Pentacene Films on Atomically Controlled SrTiO <sub>3</sub> (001) Surfaces. Journal of Physical Chemistry C, 2007, 111, 10523-10527.	1.5	11
114	Combinatorial fabrication and magnetic properties of homoepitaxial Co and Li co-doped NiO thin-film nanostructures. Journal of Magnetism and Magnetic Materials, 2009, 321, 3595-3599.	1.0	11
115	Screening of metal flux for SiC solution growth by a thin-film combinatorial method. Science and Technology of Advanced Materials, 2011, 12, 054209.	2.8	11
116	J-PARC E27 Experiment to Search for a Nuclear Kaon Bound State $K^0 \eta'$ pp. Few-Body Systems, 2013, 54, 1191-1194.	0.7	11
117	Epitaxial Film Growth of LiBH <sub>4</sub> via Molecular Unit Evaporation. ACS Applied Electronic Materials, 2019, 1, 1792-1796.	2.0	11
118	Combinatorial investigation of transition metals deposited on anatase TiO <sub>2</sub> surface. Applied Surface Science, 2004, 223, 84-86.	3.1	10
119	Ceramic liquid droplets stabilized in vacuum. Journal of Applied Physics, 2007, 101, 033511.	1.1	10
120	Continuous wave infrared laser deposition of organic thin films. Journal of Physics: Conference Series, 2007, 59, 520-525.	0.3	10
121	Photocatalytic Synthesis of Silver-Oxide Clathrate Ag <sub>7</sub> O <sub>8</sub> NO <sub>3</sub> . Journal of the Electrochemical Society, 2010, 157, E181.	1.3	10
122	Atomic-scale fabrication of novel surfaces using chemical reactions. Surface Science, 1997, 377-379, 744-753.	0.8	9
123	Pulsed Laser Epitaxy and Magnetic Properties of Single Phase Y-Type Magnetoplumbite Thin Films. Japanese Journal of Applied Physics, 2001, 40, L1343-L1345.	0.8	9
124	Epitaxial ScAlMgO <sub>4</sub> (0001) films grown on sapphire substrates by flux-mediated epitaxy. Applied Physics Letters, 2006, 89, 191910.	1.5	9
125	Self-Template Growth of Ferroelectric Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Nanoplates via Flux-Mediated Epitaxy with VO <sub>x</sub> . Crystal Growth and Design, 2010, 10, 5233-5237.	1.4	9
126	Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202.	2.9	9





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145	X-Ray Magnetic Circular Dichroism and Structural Model for Co-Doped TiO <sub>2</sub> (Anatase) Thin Film. Journal of the Physical Society of Japan, 2004, 73, 800-803.	0.7	7
146	Characterization of LiNb <sub>1-x</sub> TaxO <sub>3</sub> composition-spread thin film by the scanning microwave microscope. Applied Surface Science, 2004, 223, 196-199.	3.1	7
147	c-Axis oriented epitaxial Ru(Eu <sub>1.5</sub> Ce <sub>0.5</sub> )Sr <sub>2</sub> Cu <sub>2</sub> O <sub>10</sub> thin films grown by flux-mediated solid phase epitaxy. Thin Solid Films, 2005, 486, 79-81.	0.8	7
148	Photochemical Approach to Analysis of Ferroelectric Transition in Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> Epitaxial Films. Japanese Journal of Applied Physics, 2006, 45, L339-L342.	0.8	7
149	Epitaxial insulator for bottom-gate field-effect devices based on TiO <sub>2</sub> . Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 19-21.	1.7	7
150	Brazing of Cu with Pd-based metallic glass filler. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 128-131.	1.7	7
151	Modulation of the ferromagnetic insulating phase in Pr <sub>0.8</sub> Ca <sub>0.2</sub> MnO <sub>3</sub> by Co substitution. Physica Status Solidi - Rapid Research Letters, 2011, 5, 34-36.	1.2	7
152	p-Si(111):H/ionic liquid interface investigated through a combination of electrochemical measurements and reflection high energy electron diffraction surface analysis in vacuum. Chemical Physics Letters, 2016, 655-656, 6-10.	1.2	7
153	Structure of the p(2 $\times$ 3) Ni(110)-N surface studied by scanning tunneling microscopy. Physical Review B, 1996, 53, 4094-4098.	1.1	6
154	Electron Beam Irradiation-Induced Reduction of SnO <sub>2</sub> Deposited on TiO <sub>2</sub> (110) Surfaces. Journal of Physical Chemistry C, 2011, 115, 6618-6621.	1.5	6
155	Electrochemical Characterization of Pentacene Thin Films in Vacuum with an Ionic Liquid as Electrolyte. Applied Physics Express, 2011, 4, 051602.	1.1	6
156	High-Throughput Screening of Si-Ni Flux for SiC Solution Growth Using a High-Temperature Laser Microscope Observation and Secondary Ion Mass Spectroscopy Depth Profiling. ACS Combinatorial Science, 2013, 15, 287-290.	3.8	6
157	Uniform growth of SiC single crystal thin films via a metal-Si alloy flux by vapour-liquid-solid pulsed laser deposition: the possible existence of a precursor liquid flux film. CrystEngComm, 2016, 18, 143-148.	1.3	6
158	In Situ Wettability Characterization of Chemically Heterogeneous Surfaces Probed by Ionic Liquid Contact Angle in Vacuum: Pentacene on Single-Crystal SrTiO <sub>3</sub> (001). Journal of Physical Chemistry C, 2018, 122, 8390-8395.	1.5	6
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