Yuji Matsumoto

List of Publications by Year
in descending order

268	8,681	76326 40	48315 88
papers	citations	h-index	g-index

271	271	271	8142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Room-Temperature Ferromagnetism in Transparent Transition Metal-Doped Titanium Dioxide. Science, 2001, 291, 854-856.	12.6	2,376
2	High throughput fabrication of transition-metal-doped epitaxial ZnO thin films: A series of oxide-diluted magnetic semiconductors and their properties. Applied Physics Letters, 2001, 78, 3824-3826.	3.3	575
3	Magneto-optical properties of ZnO-based diluted magnetic semiconductors. Journal of Applied Physics, 2001, 89, 7284-7286.	2.5	284
4	Room-temperature stimulated emission of excitons in ZnO/(Mg,â€ŠZn)O superlattices. Applied Physics Letters, 2000, 77, 2204-2206.	3.3	253
5	High-Mobility C60 Field-Effect Transistors Fabricated on Molecular- Wetting Controlled Substrates. Advanced Materials, 2006, 18, 1713-1716.	21.0	213
6	Quantum Criticality Without Tuning in the Mixed Valence Compound Î²-YbAlB ₄. Science, 2011, 331, 316-319.	12.6	199
7	Combinatorial Laser Molecular Beam Epitaxy (MBE) Growth of Mg-Zn-O Alloy for Band Gap Engineering. Japanese Journal of Applied Physics, 1999, 38, L603-L605.	1.5	178
8	Ferromagnetism in Co-Doped TiO2 Rutile Thin Films Grown by Laser Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2001, 40, L1204-L1206.	1.5	178
9	Large magneto-optical effect in an oxide diluted magnetic semiconductor Zn1âˆ’xCoxO. Applied Physics Letters, 2001, 78, 2700-2702.	3.3	173
10	Anatase TiO2 thin films grown on lattice-matched LaAlO3 substrate by laser molecular-beam epitaxy. Applied Physics Letters, 2001, 78, 2664-2666.	3.3	149
11	Phase boundaries of nanometer scalec(2Ã—2)-O domains on the Cu(100) surface. Physical Review B, 1996, 54, 2167-2174.	3.2	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-TiO2(Rutile) Surfaces. Journal of Physical Chemistry B, 2005, 109, 1648-1651.	2.6	112
13	Trap-controlled space-charge-limited current mechanism in resistance switching at Alâ•Pr0.7Ca0.3MnO3 interface. Applied Physics Letters, 2008, 92, .	3.3	106
14	Combinatorial laser MBE synthesis of 3d ion doped epitaxial ZnO thin films. Journal of Crystal Growth, 2000, 214-215, 55-58.	1.5	104
15	Effect ofA-site cation ordering on the magnetoelectric properties in[(LaMnO3)m/(SrMnO3)m]nartificial superlattices. Physical Review B, 2002, 66, .	3.2	104
16	Preparation of Atomically Smooth TiO2Single Crystal Surfaces and Their Photochemical Property. Japanese Journal of Applied Physics, 2005, 44, L511-L514.	1.5	95
17	Combinatorial solid state materials science and technology. Science and Technology of Advanced Materials, 2000, 1, 1-10.	6.1	91
18	High-Throughput Characterization of Metal Electrode Performance for Electric-Field-Induced Resistance Switching in Metal/Pr0.7Ca0.3MnO3/Metal Structures. Advanced Materials, 2007, 19, 1711-1713.	21.0	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.	6.1	82
20	Cobalt valence states and origins of ferromagnetism in Co doped TiO2 rutile thin films. Journal of Applied Physics, 2004, 95, 5330-5333.	2.5	71
21	Vaporâ€“liquidâ€“solid tri-phase pulsed-laser epitaxy of RBa2Cu3O7âˆ’y single-crystal films. Applied Physics Letters, 2002, 80, 61-63.	3.3	64
22	Growth of Single-Crystal Phase Pentacene in Ionic Liquids by Vacuum Deposition. Crystal Growth and Design, 2011, 11, 2273-2278.	3.0	62
23	Investigation of ZnO/sapphire interface and formation of ZnO nanocrystalline by laser MBE. Applied Surface Science, 2000, 159-160, 514-519.	6.1	59
24	A New Catalyst for Selective Oxidation of CO in H₂: Part 1, Activation by Depositing a Large Amount of FeO_xon Pt/Al₂O₃and Pt/CeO₂Catalysts. Catalysis Letters, 2004, 92, 115-121.	2.6	59
25	Thermal Hall Effect in a Phonon-Glass <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ba</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>9</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2017, 118, 145902.	7.8	59
26	Photochemical switching of ultrathin PbTiO3 films. Applied Physics Letters, 2008, 92, 112901.	3.3	58
27	Growth rate and surface morphology of 4Hâ€“SiC crystals grown from Siâ€“Crâ€“C and Siâ€“Crâ€“Alâ€“C solutions under various temperature gradient conditions. Journal of Crystal Growth, 2014, 401, 681-685.	1.5	58
28	Structural control and combinatorial doping of titanium dioxide thin films by laser molecular beam epitaxy. Applied Surface Science, 2002, 189, 344-348.	6.1	56
29	Concurrent x-ray diffractometer for high throughput structural diagnosis of epitaxial thin films. Applied Physics Letters, 2001, 79, 3594-3596.	3.3	55
30	Epitaxial Bi₅Ti₃FeO₁₅â€“CoFe₂O₄ Pillarâ€“Matrix Multiferroic Nanostructures. ACS Nano, 2013, 7, 11079-11086.	14.6	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 LaNiO3 thin films. Applied Physics Letters, 2008, 92, .	3.3	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.	3.3	51
34	Ferromagnetic properties of epitaxial La2NiMnO6 thin films grown by pulsed laser deposition. Applied Physics Letters, 2009, 94, .	3.3	49
35	Molecular Beam Deposition of Nanoscale Ionic Liquids in Ultrahigh Vacuum. ACS Nano, 2010, 4, 5946-5952.	14.6	49
36	Novel In-Gap Spin State in Zn-DopedLa1.85Sr0.15CuO4. Physical Review Letters, 2003, 91, 067002.	7.8	48

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37	Field-effect transistor based on atomically flat rutile TiO2. Applied Physics Letters, 2006, 89, 242103.	3.3	47
38	Effect of aluminum addition on the surface step morphology of 4Hâ€“SiC grown from Siâ€“Crâ€“C solution. Journal of Crystal Growth, 2015, 423, 45-49.	1.5	45
39	Electronic structure characterization of La2NiMnO6 epitaxial thin films using synchrotron-radiation photoelectron spectroscopy and optical spectroscopy. Applied Physics Letters, 2009, 94, .	3.3	43
40	Growth of Nanosize Ni Thin Films on a Modified c(2Ã— 2)-N Cu(100) Surface. Japanese Journal of Applied Physics, 1998, 37, L154-L157.	1.5	41
41	Low-energy excitations and ground-state selection in the quantum breathing pyrochlore antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>11</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	3.2	41
42	High quality anatase TiO2 film: Field-effect transistor based on anatase TiO2. Applied Physics Letters, 2008, 92, .	3.3	40
43	Perfect Bi4Ti3O12 Single-Crystal Films via Flux-Mediated Epitaxy. Advanced Functional Materials, 2006, 16, 485-491.	14.9	39
44	Molecular Layer-by-Layer Growth of C₆₀Thin Films by Continuous-Wave Infrared Laser Deposition. Applied Physics Express, 2008, 1, 015005.	2.4	39
45	Electronic inhomogeneity of heavily overdopedBi2â^'xPbxSr2CuOystudied by low-temperature scanning tunneling microscopy/spectroscopy. Physical Review B, 2006, 73, .	3.2	37
46	STM studies of a catalytically active p(3 Ã— 1) Ptî—¸Rh(100) alloy surface. Surface Science, 1996, 355, 109-114.	1.9	35
47	Deterministic arbitrary switching of polarization in a ferroelectric thin film. Nature Communications, 2014, 5, 4971.	12.8	35
48	Growth dynamics of the epitaxial SrO film on SrTiO3(001). Journal of Crystal Growth, 2002, 234, 505-508.	1.5	34
49	Homo-epitaxial growth of rutile TiO2 film on step and terrace structured substrate. Applied Surface Science, 2004, 238, 189-192.	6.1	34
50	Self-organized structure in Co thin film growth on c(2Ã—2)-Nâ€“Cu(100) surfaces. Surface Science, 2000, 450, 44-50.	1.9	31
51	Ionic Conductivity in Ionic Liquid Nano Thin Films. ACS Nano, 2018, 12, 10509-10517.	14.6	31
52	Dynamics of laser sputtering at GaN, GaP, and GaAs surfaces. Journal of Applied Physics, 1991, 70, 3268-3274.	2.5	30
53	Fabrication and photoelectrochemical properties of La5Ti2MS5O7 (M=Ag, Cu) electrodes. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 173, 275-278.	3.5	27
54	Combinatorial Investigation of Spintronic Materials. MRS Bulletin, 2003, 28, 734-739.	3.5	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.	6.1	25
56	A high-resolution transmission electron microscopy investigation of the microstructure of TiO2 anatase film deposited on LaAlO3 and SrTiO3 substrates by laser ablation. Thin Solid Films, 2003, 441, 140-144.	1.8	25
57	Mathematical design of linear action masks for binary and ternary composition spread film library. Applied Surface Science, 2004, 223, 9-13.	6.1	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.	1.5	25
59	Fabrication of cosputtered Znâ€“Inâ€“Snâ€“O films and their applications to organic light-emitting diodes. Solid State Communications, 2009, 149, 1731-1734.	1.9	25
60	NMR/NQR and Specific Heat Studies of Iron Pnictide Superconductor KFe₂As₂. Journal of the Physical Society of Japan, 2011, 80, SA118.	1.6	25
61	Spin-Filter Tunnel Junction with Matched Fermi Surfaces. Physical Review Letters, 2012, 109, 076602.	7.8	25
62	Transparent conducting amorphous Znâ€“Inâ€“Snâ€“O anode for flexible organic light-emitting diodes. Solid State Communications, 2010, 150, 223-226.	1.9	24
63	Ionic liquid-mediated epitaxy of high-quality C60 crystallites in a vacuum. CrystEngComm, 2012, 14, 4939.	2.6	24
64	Growth of Cuî—¸O chains on Ag(110) surfaces. Surface Science, 1995, 325, L435-L440.	1.9	21
65	Combinatorial fabrication and cathodoluminescence properties of composition spread MHfO3:Tm3+(M) Tj ETQq1 1 0.784314 rgBT /Ov	6.1	21
66	Surface termination effect on the photocatalysis on atomically controlled SrTiO3(001) surface. Thin Solid Films, 2005, 486, 11-14.	1.8	21
67	STM studies of oxygen-induced reconstruction on a Ptî—¸Rh(100) alloy surface. Surface Science, 1997, 377-379, 32-37.	1.9	20
68	High-throughput optical characterization for the development of a ZnO-based ultraviolet semiconductor-laser. Applied Surface Science, 2002, 189, 277-283.	6.1	20
69	Combinatorial Experimentation and Materials Informatics. MRS Bulletin, 2006, 31, 999-1003.	3.5	20
70	Combinatorial synthesis and luminescent characteristics of RECa4O(BO3)3 epitaxial thin films. Applied Surface Science, 2004, 223, 241-244.	6.1	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.	3.0	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.	3.0	19

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73	Growth and ordering of Cu O chains on Ag(110) surface. Surface Science, 1995, 336, L762-L766.	1.9	18
74	A reversible reaction forming (î—¸Cuî—¸Oî—¸) strings and (Cu)6-clusters on Ag(110) shown by STM. Surface Science, 1996, 350, L227-L231.	1.9	18
75	Structure of NiO and Li-doped NiO single crystalline thin layers with atomically flat surface. Thin Solid Films, 2005, 486, 214-217.	1.8	18
76	Thickness-Dependent Flat Band Potential of Anatase TiO₂(001) Epitaxial Films on Nb:SrTiO₃(001) Investigated by UHV-Electrochemistry Approach. Journal of Physical Chemistry C, 2016, 120, 1472-1477.	3.1	18
77	Growth of NdBa2Cu3O7â^'y single crystal thin films by tri-phase epitaxy. Physica C: Superconductivity and Its Applications, 2002, 378-381, 1202-1208.	1.2	17
78	Combinatorial Scanning Tunneling Microscopy Study of Cr Deposited on Anatase TiO2(001) Surface. Langmuir, 2004, 20, 3018-3020.	3.5	17
79	Combinatorial discovery of anomalous substrate effect on the photochemical properties of transition metal-doped epitaxial SrTiO3 heterostructures. Applied Surface Science, 2006, 252, 2603-2607.	6.1	17
80	Nanoskyscrapers of ferroelectric Bi4Ti3O12. Applied Physics Letters, 2006, 88, 152904.	3.3	17
81	Influence of substrates on epitaxial growth of B-site-ordered perovskite La2NiMnO6 thin films. Journal of Applied Physics, 2011, 110, .	2.5	17
82	Nano-scale patterning of metal surfaces by adsorption and reaction. Applied Surface Science, 1998, 130-132, 475-483.	6.1	16
83	Combinatorial synthesis and high-throughput evaluation of doped TiO 2 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.	1.2	16
85	Evidence for the intrinsic nature of band-gap states electrochemically observed on atomically flat TiO₂(110) surfaces. Physical Chemistry Chemical Physics, 2014, 16, 24784-24789.	2.8	16
86	Combinatorial fabrication and characterization of ferromagnetic Tiâ€“Coâ€“O system. Applied Surface Science, 2004, 223, 245-248.	6.1	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.	3.5	15
88	Epilayer control of photodeposited materials during UV photocatalysis. Applied Physics Letters, 2009, 94, 232901.	3.3	15
89	Hetero-Epitaxial Growth of ZnO Film by Temperature-Modulated Metalorganic Chemical Vapor Deposition. Applied Physics Express, 0, 2, 045502.	2.4	15
90	Chemical trend of Fermi-level shift in transition metal-doped TiO2 films. Journal of the Ceramic Society of Japan, 2010, 118, 993-996.	1.1	15

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91	Nanoscale oxygen nonstoichiometry in epitaxial TiO2 films grown by pulsed laser deposition. Journal of Applied Physics, 2011, 110, 103513.	2.5	15
92	Growth behaviours of pentacene films confined in engineered shapes of ionic-liquid in vacuum. CrystEngComm, 2014, 16, 684-689.	2.6	15
93	Combinatorial Synthesis of Epitaxial LiCoO₂ Thin Films on SrTiO₃(001) via On-Substrate Sintering of Li₂CO₃ and CoO by Pulsed Laser Deposition. ACS Combinatorial Science, 2013,	3.8	15
94	Precise Measurement of Differential Cross Sections of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi mathvariant="normal">Î£</mml:mi><mml:mo>â^'</mml:mo></mml:msup><mml:mi>p</mml:mi><mml:mo stretchy="false">â†'</mml:mo><mml:mi mathvariant="normal">Î›</mml:mi><mml:mi>n</mml:mi></mml:math> Reaction in Momentum Range <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn	7.8	15
95	Combinatorial exploration of flux material for Bi4Ti3O12 single crystal film growth. Applied Surface Science, 2006, 252, 2477-2481.	6.1	14
96	Electrochemical impedance analysis of electric field dependence of the permittivity of SrTiO3 and TiO2 single crystals. Journal of Applied Physics, 2011, 109, 014112.	2.5	14
97	Effects of V-Ion Doping on the Photoelectrochemical Properties of Epitaxial TiO₂(110) Thin Films on Nb-Doped TiO₂ (110) Single Crystals. Journal of Physical Chemistry C, 2012, 116, 16951-16956.	3.1	14
98	Direct Synthesis of Porous Polyurea Films by Vapor Deposition Polymerization in Ionic Liquid. ACS Macro Letters, 2016, 5, 1009-1013.	4.8	14
99	Combinatorial optimization of atomically controlled growth for oxide films by the carrousel type laser molecular beam epitaxy. Applied Surface Science, 2002, 197-198, 532-535.	6.1	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.	1.5	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.	2.3	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.	6.1	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.	6.1	13
104	Large Tunnel Magnetoresistance in Epitaxial Oxide Spinâ€Filter Tunnel Junctions. Advanced Functional Materials, 2012, 22, 4471-4475.	14.9	13
105	Epitaxial growth of atomically flat KBr(111) films via a thin film ionic liquid in a vacuum. CrystEngComm, 2016, 18, 3399-3403.	2.6	13
106	Fabrication of Nd1â^'xCaxBa2Cu3O7â^'Î´ (x=0â€“0.3) single crystalline films by tri-phase epitaxy. Journal of Crystal Growth, 2004, 262, 308-312.	1.5	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.	2.6	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.	6.1	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.	3.3	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 (â˜Agâ˜Oâ˜) Strings on the Ag(110) Surface. Journal of the American Chemical Society, 1996, 118, 9676-9679.	13.7	11
112	STM observation of restructured Cu(001) surfaces induced by Li deposition. Surface Science, 1997, 393, L69-L76.	1.9	11
113	Photodecomposition of Pentacene Films on Atomically Controlled SrTiO3(001) Surfaces. Journal of Physical Chemistry C, 2007, 111, 10523-10527.	3.1	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.	2.3	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.	6.1	11
116	J-PARC E27 Experiment to Search for a Nuclear Kaon Bound State K â˜ pp. Few-Body Systems, 2013, 54, 1191-1194.	1.5	11
117	Epitaxial Film Growth of LiBH₄ via Molecular Unit Evaporation. ACS Applied Electronic Materials, 2019, 1, 1792-1796.	4.3	11
118	Combinatorial investigation of transition metals deposited on anatase TiO2 surface. Applied Surface Science, 2004, 223, 84-86.	6.1	10
119	Ceramic liquid droplets stabilized in vacuum. Journal of Applied Physics, 2007, 101, 033511.	2.5	10
120	Continuous wave infrared laser deposition of organic thin films. Journal of Physics: Conference Series, 2007, 59, 520-525.	0.4	10
121	Photocatalytic Synthesis of Silver-Oxide Clathrate Ag[sub 7]O[sub 8]NO[sub 3]. Journal of the Electrochemical Society, 2010, 157, E181.	2.9	10
122	Atomic-scale fabrication of novel surfaces using chemical reactions. Surface Science, 1997, 377-379, 744-753.	1.9	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.	1.5	9
124	Epitaxial ScAlMgO4(0001) films grown on sapphire substrates by flux-mediated epitaxy. Applied Physics Letters, 2006, 89, 191910.	3.3	9
125	Self-Template Growth of Ferroelectric Bi₄Ti₃O₁₂ Nanoplates via Flux-Mediated Epitaxy with VO_x. Crystal Growth and Design, 2010, 10, 5233-5237.	3.0	9
126	Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202.	7.8	9

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127	Pulsed laser deposition with rapid beam deflection by a galvanometer mirror scanner. Review of Scientific Instruments, 2019, 90, 093901.	1.3	9
128	High-Throughput and Autonomous Grazing Incidence X-ray Diffraction Mapping of Organic Combinatorial Thin-Film Library Driven by Machine Learning. ACS Combinatorial Science, 2020, 22, 348-355.	3.8	9
129	Artificially Designed Compositionally Graded Sr-Doped NaTaO₃ Single-Crystalline Thin Films and the Dynamics of Their Photoexcited Electronâ€“Hole Pairs. Chemistry of Materials, 2021, 33, 226-233.	6.7	9
130	The growth mechanism of (â€“Cuâ€“Oâ€“) strings on a Ag(110) surface studied by scanning tunneling microscopy, x-ray photoelectron spectroscopy, and high resolution electron energy loss spectroscopy. Journal of Chemical Physics, 1997, 107, 10185-10190.	3.0	8
131	High-throughput optimizations of alloy and doped films based on ZnO and parallel synthesis of ZnO/Mg x ZN 1-x O quantum wells using combinatorial laser MBE toward ultraviolet laser. , 2000, 3941, 70.		8
132	Highly c-oriented RuSr2(Eu1.5Ce0.5)Cu2O10â^'Î´ thin film growth by pulsed laser deposition and subsequent post-annealing. Physica C: Superconductivity and Its Applications, 2004, 403, 21-24.	1.2	8
133	Y1-xEuxCa4O(BO3)3 thin film as a luminescent material screened by the combinatorial method. Applied Physics Letters, 2005, 86, 021104.	3.3	8
134	A combinatorial approach to the discovery and optimization of YCa4O(BO3)3-based luminescent materials. Applied Surface Science, 2006, 252, 2493-2496.	6.1	8
135	Anomalous thickness and dopant effects on photochemical deposition of Ag on epitaxial TiO2(110)â^•Nb:TiO2(110) heterostructures. Applied Physics Letters, 2007, 91, 061928.	3.3	8
136	Development of a new laser heating system for thin film growth by chemical vapor deposition. Review of Scientific Instruments, 2012, 83, 094701.	1.3	8
137	Combinatorial Nanoscience and Technology for Solid-State Materials. , 2013, , 1103-1124.		8
138	Photoelectrochemical epitaxy of silver oxide clathrate Ag₇O₈M (M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 CrystEngComm, 2015, 17, 3701-3707.	2.6	8
139	Change in Surface Morphology by Addition of Impurity Elements in 4H-SiC Solution Growth with Si Solvent. Materials Science Forum, 0, 821-823, 14-17.	0.3	8
140	Ionic liquid-assisted growth of DBTTFâ€“TCNQ complex organic crystals by vacuum co-deposition. Journal of Crystal Growth, 2016, 453, 34-39.	1.5	8
141	Effects of Al addition to Si-based flux on the growth of 4H-SiC films by vapourâ€“liquidâ€“solid pulsed laser deposition. CrystEngComm, 2017, 19, 5188-5193.	2.6	8
142	Atomic scale reaction regulated in one-dimensional channels evidenced by scanning tunneling microscopy. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1996, 14, 1114.	1.6	7
143	Metalâ€“insulatorâ€“metal transition in Sr2Rh1â^'xRuxO4(0â©½xâ©½1). Applied Physics Letters, 2002, 81, 4955-4957.	3.3	7
144	Recognition of the Atomic Terminating Layer in Perovskite Oxide Substrates by Reflection High Energy Electron Diffraction. Japanese Journal of Applied Physics, 2003, 42, L389-L390.	1.5	7

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145	X-Ray Magnetic Circular Dichroism and Structural Model for Co-Doped TiO2(Anatase) Thin Film. Journal of the Physical Society of Japan, 2004, 73, 800-803.	1.6	7
146	Characterization of LiNb1â^'xTaxO3 composition-spread thin film by the scanning microwave microscope. Applied Surface Science, 2004, 223, 196-199.	6.1	7
147	c-Axis oriented epitaxial Ru(Eu1.5Ce0.5)Sr2Cu2O10â^Ï´ thin films grown by flux-mediated solid phase epitaxy. Thin Solid Films, 2005, 486, 79-81.	1.8	7
148	Photochemical Approach to Analysis of Ferroelectric Transition in BaxSr1-xTiO3Epitaxial Films. Japanese Journal of Applied Physics, 2006, 45, L339-L342.	1.5	7
149	Epitaxial insulator for bottom-gate field-effect devices based on TiO2. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 19-21.	3.5	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.	3.5	7
151	Modulation of the ferromagnetic insulating phase in Pr_{0.8}Ca_{0.2}MnO₃ by Co substitution. Physica Status Solidi - Rapid Research Letters, 2011, 5, 34-36.	2.4	7
152	p-Si(1 1 1):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.	2.6	7
153	Structure of thep(2Ã—3) Ni(110)-N surface studied by scanning tunneling microscopy. Physical Review B, 1996, 53, 4094-4098.	3.2	6
154	Electron Beam Irradiation-Induced Reduction of SnO2 Deposited on TiO2(110) Surfaces. Journal of Physical Chemistry C, 2011, 115, 6618-6621.	3.1	6
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