Ikuya Yamada

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.

173 papers	4,159 citations	30 h-index	60 g-index
207 ext. papers	4,656 ext. citations	4.9 avg, IF	5.32 L-index

#	Paper	IF	Citations
173	Positive and Negative Synergistic Effects of Fe□o Mixing on the Oxygen and Hydrogen Evolution Reaction Activities of the Quadruple Perovskite CaCu3Fe4□CoxO12. *ACS Applied Energy Materials*, **2022**, 5, 214-226	6.1	0
172	Highly active postspinel-structured catalysts for oxygen evolution reaction.. *RSC Advances*, **2022**, 12, 5094-5104	3.7	1
171	Electrochemical deposition of amorphous cobalt oxides for oxygen evolution catalysis.. *RSC Advances*, **2022**, 12, 8731-8736	3.7	2
170	Large negative thermal expansion induced by cation dimerization in ilmenite-type vanadate ceramic. *Applied Physics Letters*, **2022**, 120, 201901	3.4	
169	High-Pressure Synthesis of Cation-Disordered Rock-Salt Oxyfluorides with High Crystallinity. *Electrochemistry*, **2021**, 89, 94-99	1.2	2
168	Metamagnetic Behavior in a Quadruple Perovskite Oxide. *Inorganic Chemistry*, **2021**, 60, 7023-7030	5.1	1
167	High-Pressure Synthesis and Magnetic States of Magnetoplumbite Cobaltates CaCoO and BaCoO. *Inorganic Chemistry*, **2021**, 60, 7680-7686	5.1	2
166	PtCo3 Nanoparticle-Encapsulated Carbon Nanotubes as Active Catalysts for Methanol Fuel Cell Anodes. *ACS Applied Nano Materials*, **2021**, 4, 1445-1454	5.6	3
165	Effects of zinc ions at tetrahedral sites in spinel oxides on catalytic activity for oxygen evolution reaction. *Journal of Catalysis*, **2021**, 394, 50-57	7.3	6
164	Cation Dimerization in a 3d Honeycomb Lattice System.. *Journal of the American Chemical Society*, **2021**,	16.4	4
163	Perovskite-Type CuNbO3 Exhibiting Unusual Noncollinear Ferrielectric to Collinear Ferroelectric Dipole Order Transition. *Chemistry of Materials*, **2020**, 32, 5016-5027	9.6	4
162	A Sequential Electron Doping for Quadruple Perovskite Oxides CuCoO (= Ca, Y, Ce). *Inorganic Chemistry*, **2020**, 59, 8699-8706	5.1	6
161	Highly active hydrogen evolution catalysis on oxygen-deficient double-perovskite oxide PrBaCo2O6□*Materials Chemistry Frontiers*, **2020**, 4, 1519-1529	7.8	13
160	ZIF-Derived CoNiS Nanoparticles Immobilized on N-Doped Carbons as Efficient Catalysts for High-Performance Zinc-Air Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 5847-5856	9.5	31
159	A robust thermal-energy-storage property associated with electronic phase transitions for quadruple perovskite oxides. *Chemical Communications*, **2020**, 56, 5500-5503	5.8	7
158	High-pressure synthesis of □FeOOH from □FeOOH and its application to the water oxidation catalyst.. *RSC Advances*, **2020**, 10, 44756-44767	3.7	3
157	Effects of Size and Crystallinity of CaCu3Fe4O12 on Catalytic Activity for Oxygen Evolution Reaction. *Materials Transactions*, **2020**, 61, 1698-1702	1.3	3

156	Electrocatalytic Activity of Tetravalent Fe□o Mixed Oxide for Oxygen and Hydrogen Evolution Reactions. *Materials Transactions*, **2020**, 61, 1507-1509	1.3	5
155	Oxygen Evolution Catalysis for Iron Oxides with Various Structures. *Materials Transactions*, **2020**, 61, 1523-1526	1.3	3
154	Crystal Structure Refinement of the A-Site-Ordered Double-Perovskite Oxide PrBaCo2O6□ *Materials Transactions*, **2020**, 61, 1500-1502	1.3	0
153	Magnetotransport Property for the Magnetoplumbite-Derived Oxide BaCo6O11. *Materials Transactions*, **2020**, 61, 1503-1506	1.3	2
152	Structure, Magnetism, and Electrochemistry of LiMgZnVO Spinels with 0 □1. *Inorganic Chemistry*, **2020**, 59, 777-789	5.1	6
151	Facile and Low-Temperature Synthesis of □Fe2O3 Nanoparticles with Thermally Stable Ferrimagnetism for Use in Magnetic Recording Tapes. *ACS Applied Nano Materials*, **2020**, 3, 10678-10690	5.6	1
150	Emergence of a Cubic Phase Stabilized by Intermetallic Charge Transfer in (1 □x)PbVO3□BiCoO3 Solid Solutions. *Chemistry of Materials*, **2020**, 32, 6892-6897	9.6	3
149	Enhanced Catalytic Activity and Stability of the Oxygen Evolution Reaction on Tetravalent Mixed Metal Oxide. *Chemistry of Materials*, **2020**, 32, 3893-3903	9.6	19
148	?-FeOOH: A Novel Negative Electrode Material for Li- and Na-Ion Batteries. *ACS Omega*, **2020**, 5, 10115-10122	3.7	5
147	Structure and thermoelectric transport analysis of defect-containing CuGaTe2 prepared by room-temperature high-pressure treatment. *Journal of Applied Physics*, **2019**, 125, 035105	2.5	2
146	Synthesis of Rhombohedral LiCoMnO Using a High-Pressure Method. *Inorganic Chemistry*, **2019**, 58, 6684-6695	5.1	10
145	High-pressure synthesis of highly oxidized Ba0.5Sr0.5Co0.8Fe0.2O3□ cubic perovskite. *Materials Chemistry Frontiers*, **2019**, 3, 1209-1217	7.8	17
144	Structural and Electrochemical Analyses on the Transformation of CaFeO-Type LiMnO from Spinel-Type LiMnO. *ACS Omega*, **2019**, 4, 6459-6467	3.9	9
143	Various magnetic states for novel layered cobalt oxides CaCo6O11 and BaCo6O11. *Materials Chemistry Frontiers*, **2019**, 3, 2696-2701	7.8	8
142	Electrochemical properties of chromium oxyfluoride CrO2□Fx with 0 □x □0.3. *Inorganic Chemistry Frontiers*, **2019**, 6, 3196-3202	6.8	1
141	Complementary evaluation of structure stability of perovskite oxides using bond-valence and density-functional-theory calculations. *Science and Technology of Advanced Materials*, **2018**, 19, 101-107	7.1	18
140	Synergistically Enhanced Oxygen Evolution Reaction Catalysis for Multielement Transition-Metal Oxides. *ACS Applied Energy Materials*, **2018**, 1, 3711-3721	6.1	36
139	High-pressure synthesis and electrochemical properties of tetragonal LiMnO.. *RSC Advances*, **2018**, 8, 26325-26334	3.7	15

138	High-pressure study of Li[Li1/3Ti5/3]O4 spinel. *Inorganic Chemistry Frontiers*, **2018**, 5, 1941-1949	6.8	9
137	Bifunctional Electrocatalysis of Quadruple Manganese Perovskite Oxide for Oxygen Reactions. *Nihon Kessho Gakkaishi*, **2018**, 60, 76-77	0	
136	Systematic Study of Descriptors for Oxygen Evolution Reaction Catalysis in Perovskite Oxides. *Journal of Physical Chemistry C*, **2018**, 122, 27885-27892	3.8	58
135	Novel Catalysts Synthesized by High-Pressure Method and Reaction Mechanism Based on First-Principles Calculation. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2018**, 28, 184-192	0	
134	A-Site and B-Site Charge Orderings in an s-d Level Controlled Perovskite Oxide PbCoO. *Journal of the American Chemical Society*, **2017**, 139, 4574-4581	16.4	38
133	New Progress on Development of Oxygen Evolution Reaction Catalysts. *Journal of MMIJ*, **2017**, 133, 264-269	0.9	2
132	Perovskite-Type InCoO with Low-Spin Co: Effect of In-O Covalency on Structural Stabilization in Comparison with Rare-Earth Series. *Inorganic Chemistry*, **2017**, 56, 11113-11122	5.1	4
131	Covalency Competition in the Quadruple Perovskite CdCuFeO. *Inorganic Chemistry*, **2017**, 56, 9303-9310	5.1	8
130	Structural and electronic transformations in quadruple iron perovskite Ca1−xSrxCu3Fe4O12. *Journal of Asian Ceramic Societies*, **2017**, 5, 169-175	2.4	7
129	Novel catalytic properties of quadruple perovskites. *Science and Technology of Advanced Materials*, **2017**, 18, 541-548	7.1	23
128	Oxygen Evolution via the Bridging Inequivalent Dual-Site Reaction: First-Principles Study of a Quadruple-Perovskite Oxide Catalyst. *Journal of Physical Chemistry C*, **2017**, 121, 28403-28411	3.8	23
127	Columbite-Type TiO2as a Negative Electrode Material for Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2017**, 164, A3590-A3594	3.9	12
126	Bifunctional Oxygen Reaction Catalysis of Quadruple Manganese Perovskites. *Advanced Materials*, **2017**, 29, 1603004	24	114
125	LiNbO3-Type InFeO3: Room-Temperature Polar Magnet without Second-Order Jahn−Teller Active Ions. *Chemistry of Materials*, **2016**, 28, 6644-6655	9.6	33
124	Two-Step Suppression of Charge Disproportionation in CaCu3Fe4O12 under High Pressure. *Journal of the Physical Society of Japan*, **2016**, 85, 034716	1.5	4
123	On the energy scale involved in the metal to insulator transition of quadruple perovskite EuCu3Fe4O12: infrared spectroscopy and ab-initio calculations. *Scientific Reports*, **2016**, 6, 28624	4.9	2
122	Inverse Charge Transfer in the Quadruple Perovskite CaCu3Fe4O12. *Inorganic Chemistry*, **2016**, 55, 1715-9	5.1	24
121	Neutron diffraction study of quadruple perovskite SrCu3Fe3O12 **2016**,		1

120	High-Pressure Synthesis of Novel Oxygen Evolution Catalysts. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2016**, 26, 247-252	0	1
119	Magnetic properties of quadruple perovskite solid solutions Ca1−YxCu3Fe4O12 and Y1−CexCu3Fe4O12 **2016**,		1
118	First-principles calculations of the OH adsorption energy on perovskite oxide **2016**,		3
117	Magnetic Properties of Shandite-Phase Co3−FexSn2S2 (x = 0 1.0) Obtained with High Pressure Synthesis. *Journal of the Physical Society of Japan*, **2015**, 84, 044705	1.5	13
116	Room-temperature zero thermal expansion in a cubic perovskite oxide SrCu3Fe4−MnxO12. *Applied Physics Letters*, **2015**, 106, 151901	3.4	7
115	Covalency-reinforced oxygen evolution reaction catalyst. *Nature Communications*, **2015**, 6, 8249	17.4	308
114	Phase Relations among D03, α-Mg, and Long-Period Stacking Orders in Mg85Zn6Y9 Alloy under 3 GPa. *Materials Transactions*, **2015**, 56, 910-913	1.3	4
113	Rattling in the Quadruple Perovskite CuCu3V4O12. *Angewandte Chemie*, **2015**, 127, 11020-11024	3.6	
112	Rattling in the Quadruple Perovskite CuCu3 V4 O12. *Angewandte Chemie - International Edition*, **2015**, 54, 10870-4	16.4	18
111	Charge-order melting in charge-disproportionated perovskite CeCu3Fe4O12. *Inorganic Chemistry*, **2014**, 53, 11794-801	5.1	21
110	New phases of binary compounds: CsCl-type RuGe and RuSn. *Europhysics Letters*, **2014**, 107, 56003	1.6	4
109	Room-temperature polar ferromagnet ScFeO3 transformed from a high-pressure orthorhombic perovskite phase. *Journal of the American Chemical Society*, **2014**, 136, 15291-9	16.4	56
108	High-pressure synthesis, crystal structure, and unusual valence state of novel perovskite oxide CaCu3Rh4O12. *Inorganic Chemistry*, **2014**, 53, 7089-91	5.1	9
107	High-pressure synthesis of BaVO3: A new cubic perovskite. *Journal of Physics and Chemistry of Solids*, **2014**, 75, 710-712	3.9	24
106	Valence transitions in negative thermal expansion material SrCuFeO *Inorganic Chemistry*, **2014**, 53, 10563-9	5.1	30
105	Raman study of ACu3Fe4O12 (A Ca, Sr, Y and Eu). *Solid State Sciences*, **2014**, 27, 65-68	3.4	1
104	Room-temperature pressure-induced nanostructural CuInTe(2) thermoelectric material with low thermal conductivity. *Inorganic Chemistry*, **2014**, 53, 6844-9	5.1	24
103	High-pressure synthesis, electronic states, and structure roperty relationships of perovskite oxides, ACu3Fe4O12 (A: divalent alkaline earth or trivalent rare-earth ion). *Journal of the Ceramic Society of Japan*, **2014**, 122, 846-851	1	18

102	□true□negative thermal expansion in Mn-doped LaCu3Fe4O12 perovskite oxides. *Applied Physics Letters*, **2014**, 105, 231906	3.4	18
101	Control of bond-strain-induced electronic phase transitions in iron perovskites. *Inorganic Chemistry*, **2013**, 52, 13751-61	5.1	42
100	NMR study of successive magnetic transitions in the A-site ordered perovskite LaMn3Cr4O12. *Journal of the Korean Physical Society*, **2013**, 63, 640-643	0.6	
99	High-Pressure Synthesis of Novel Transition Metal Oxides Containing Unusual High Valence Ions. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2013**, 23, 167-173	0	1
98	Pd(2+)-incorporated perovskite CaPd3B4O12 (B = Ti, V). *Inorganic Chemistry*, **2013**, 52, 1604-9	5.1	38
97	B-site deficiencies in A-site-ordered perovskite LaCu3Pt(3.75)O12. *Inorganic Chemistry*, **2013**, 52, 3985-9	5.1	10
96	Suppression of intersite charge transfer in charge-disproportionated perovskite YCu3Fe4O12. *Journal of the American Chemical Society*, **2013**, 135, 6100-6	16.4	32
95	A-site-ordered perovskite MnCu3V4O12 with a 12-coordinated manganese(II). *Inorganic Chemistry*, **2013**, 52, 11538-43	5.1	23
94	AgCu3V4O12: a novel perovskite containing mixed-valence silver ions. *Inorganic Chemistry*, **2013**, 52, 13824-6	5.1	6
93	Phonon anomalies and lattice dynamics in the superconducting oxychlorides Ca2□CuO2Cl2. *Physical Review B*, **2013**, 88,	3.3	11
92	Synthesis of Binary Magnesium□ransition Metal Oxides via Inverse Coprecipitation. *Japanese Journal of Applied Physics*, **2013**, 52, 025501	1.4	27
91	Cu NQR and NMR Studies of Optimally Doped Ca2-xNaxCuO2Cl2. *Journal of the Physical Society of Japan*, **2013**, 82, 055001	1.5	
90	Direct observation of negative thermal expansion in SrCu3Fe4O12. *Journal of the Ceramic Society of Japan*, **2013**, 121, 912-914	1	9
89	Morphology and dispersion control of titania□ilica monolith with macro□meso pore system. *Journal of Sol-Gel Science and Technology*, **2012**, 64, 684-693	2.3	14
88	High pressure synthesis at 10 GPa and 1400 K using a small cubic anvil apparatus with a multi-anvil 6-6 system. *High Pressure Research*, **2012**, 32, 347-353	1.6	
87	Charge Disproportionation, Intersite Charge Transfer, and Negative Thermal Expansion in Iron Perovskites Containing Unusual High Valence Fe4+ Ions. *Nihon Kessho Gakkaishi*, **2012**, 54, 287-291	0	
86	Giant Negative Thermal Expansion in the Iron Perovskite SrCu3Fe4O12. *Angewandte Chemie*, **2011**, 123, 6709-6712	3.6	11
85	Giant negative thermal expansion in the iron perovskite SrCu3Fe4O12. *Angewandte Chemie - International Edition*, **2011**, 50, 6579-82	16.4	107

84	Volume and structural study of Fe64Mn36 anti-ferromagnetic Invar alloy under high pressure. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 838-841	2.8	3
83	Direct observation of the ferrimagnetic coupling of A-site Cu and B-site Fe spins in charge-disproportionated CaCu3Fe4O12. *Physical Review B*, **2011**, 84,	3.3	36
82	Suppression of geometric frustration by magnetoelastic coupling in AuCrS2. *Physical Review B*, **2011**, 84,	3.3	7
81	Multiple pre-edge structures in Cu K-edge x-ray absorption spectra of high-Tc cuprates revealed by high-resolution x-ray absorption spectroscopy. *Physical Review B*, **2010**, 81,	3.3	2
80	Synthesis, Structure, and Physical Properties ofA-site Ordered PerovskitesACu3Co4O12(A= Ca and Y). *Chemistry of Materials*, **2010**, 22, 5328-5332	9.6	27
79	Incommensurate spin correlations induced by magnetic Fe ions substituted into overdoped Bi1.75Pb0.35Sr1.90CuO6+z. *Physical Review B*, **2010**, 81,	3.3	15
78	CaCu3Pt4O12: the first perovskite with the B site fully occupied by Pt(4+). *Inorganic Chemistry*, **2010**, 49, 6778-80	5.1	15
77	Phase separation in the system with sodium silicate and sodium dodecyl sulfate under acidic conditions. *Journal of the Ceramic Society of Japan*, **2010**, 118, 295-299	1	1
76	Sol□gel preparation of Ni/TiO2 catalysts with bimodal pore structures. *Applied Catalysis A: General*, **2010**, 383, 66-72	5.1	28
75	Synthesis of 3-buten-1-ol from 1,4-butanediol over indium oxide. *Applied Catalysis A: General*, **2010**, 383, 134-140	5.1	12
74	First-principles study of defect-induced potentials in Ca2CuO2Cl2. *Physical Review B*, **2009**, 80,	3.3	5
73	Metallic versus insulating behavior in the A-site ordered perovskite oxides ACu3Co4O12 (A=Ca and Y) controlled by Mott and Zhang-Rice physics. *Physical Review B*, **2009**, 80,	3.3	45
72	Coherence factors in a high-tc cuprate probed by quasi-particle scattering off vortices. *Science*, **2009**, 323, 923-6	33.3	98
71	Effect of Zn substitution for Cu on near the hole concentration of per Cu. *Physica B: Condensed Matter*, **2009**, 404, 713-716	2.8	3
70	Magnetic ground-state of perovskite PbVO3 with large tetragonal distortion. *Inorganic Chemistry*, **2008**, 47, 7355-9	5.1	92
69	A perovskite containing quadrivalent iron as a charge-disproportionated ferrimagnet. *Angewandte Chemie - International Edition*, **2008**, 47, 7032-5	16.4	123
68	A Perovskite Containing Quadrivalent Iron as a Charge-Disproportionated Ferrimagnet. *Angewandte Chemie*, **2008**, 120, 7140-7143	3.6	12
67	Single crystal growth of A-site deficient superconductor Ca2□CuO2Cl2. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 420-421	1.3	3

66	Low-energy spectroscopic mapping studies in optimally-doped Ca2−NaxCuO2Cl2. *Physica C: Superconductivity and Its Applications*, **2007**, 460-462, 954-955	1.3	2
65	Quasiparticle interference and superconducting gap in Ca2−NaxCuO2Cl2. *Nature Physics*, **2007**, 3, 865-871	16.2	138
64	A muon-spin relaxation study of BiMnO3. *Journal of Physics Condensed Matter*, **2007**, 19, 376203	1.8	3
63	Magnetoresistance and electronic structure of the half-metallic ferrimagnet BiCu3Mn4O12. *Physical Review B*, **2007**, 76,	3.3	63
62	Magnetic Phase Diagram of Hole-Doped Ca2-xNaxCuO2Cl2Cuprate Superconductor. *Journal of the Physical Society of Japan*, **2005**, 74, 2408-2412	1.5	12
61	Single-layer oxychloride superconductor Ca2−CuO2Cl2 with A-site cation deficiency. *Physical Review B*, **2005**, 72,	3.3	16
60	Recent Progress in Search for New Functional Oxides by High-Pressure Synthesis. *Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu*, **2005**, 15, 292-302	0	1
59	Superconductivity at 38 K in the single layer oxychloride without cation substitution. *Physica C: Superconductivity and Its Applications*, **2004**, 412-414, 27-30	1.3	2
58	Single Crystal Growth of Ca2− Na x CuO2Cl2 and Related Compounds at High Pressures of Several GPa. *Journal of Low Temperature Physics*, **2003**, 131, 671-679	1.3	3
57	Single crystal growth of transition metal oxides at high pressures of several GPa. *Physica C: Superconductivity and Its Applications*, **2003**, 392-396, 22-28	1.3	7
56	Magnetocapacitance effect in multiferroic BiMnO3. *Physical Review B*, **2003**, 67,	3.3	837
55	Growth of Na-doped Ca(2)CuO(2)Cl(2) single crystals under high pressures of several GPa. *Journal of the American Chemical Society*, **2002**, 124, 12275-8	16.4	55
54	Effect of surface roughness on field emission from chemical vapor deposited polycrystalline diamond. *Applied Physics Letters*, **2001**, 79, 1288-1290	3.4	18
53	Ammonia Cluster Beam for Group-III Nitride Synthesis. *Physica Status Solidi A*, **2000**, 180, 251-256		6
52	Polycarbonate surface modified by argon cluster ion beams. *Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena*, **1999**, 17, 2653		8
51	Novel materials processing and applications. by gas cluster ion beams. *European Physical Journal D*, **1999**, 9, 55-61	1.3	11
50	High-intensity oxygen cluster ion beam generation and its application to cluster ion-assisted deposition. *European Physical Journal D*, **1999**, 9, 635-638	1.3	6
49	Decaborane (B/sub 10/H/sub 14/) ion implantation technology for sub-0.1-/spl mu/m PMOSFET's. *IEEE Transactions on Electron Devices*, **1999**, 46, 683-689	2.9	16

48	Smoothing of YBa2Cu3O7 films by ion cluster beam bombardment. *Applied Physics Letters*, **1998**, 72, 246-248	3.4	51
47	Computer Simulation of Annealing after Cluster Ion Implantation. *Materials Research Society Symposia Proceedings*, **1998**, 532, 147		
46	GAS CLUSTER ION BEAMS FOR PROCESSING NEW MATERIALS **1998**, 74-85		4
45	High Quality Oxide Film Formation by 02 Cluster Ion Assisted Deposition Technique. *Materials Research Society Symposia Proceedings*, **1997**, 504, 87		4
44	Size Dependence of Bombardment Characteristics Produced by Cluster Ion Beams. *Materials Research Society Symposia Proceedings*, **1997**, 504, 93		4
43	Non-linear effects in high energy cluster ion implantation **1997**,		4
42	LOW-DAMAGE SURFACE TREATMENT BY GAS CLUSTER-ION BEAMS. *Surface Review and Letters*, **1996**, 03, 891-895	1.1	7
41	Surface processing by gas cluster ion beams at the atomic (molecular) level. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1996**, 14, 781-785	2.9	54
40	Gas Cluster Ion Beam Processing for ULSI Fabrication. *Materials Research Society Symposia Proceedings*, **1996**, 427, 265		20
39	Range and Damage Distribution in Cluster Ion Implantation. *Materials Research Society Symposia Proceedings*, **1996**, 438, 363		12
38	MOLECULAR-DYNAMICS SIMULATION OF SURFACE SPUTTERING BY ENERGETIC RARE-GAS CLUSTER IMPACT. *Surface Review and Letters*, **1996**, 03, 1023-1027	1.1	18
37	SPUTTERING WITH GAS CLUSTER-ION BEAMS. *Surface Review and Letters*, **1996**, 03, 1017-1021	1.1	10
36	CLUSTER ION BOMBARDMENT-INDUCED SURFACE DAMAGE OF Si. *Surface Review and Letters*, **1996**, 03, 1045-1049	1.1	1
35	FUNDAMENTAL ASPECTS OF THE IONIZED CLUSTER-BEAM DEPOSITION PROCESS. *Surface Review and Letters*, **1996**, 03, 1013-1016	1.1	
34	Bombarding Effects of Gas Cluster Ion Beams on Sapphire Surfaces; Characteristics of Modified Layers and their Mechanical and Optical Properties. *Materials Research Society Symposia Proceedings*, **1995**, 396, 279		
33	Computer Simulation of Cluster ION Impacts on a Solid Surface. *Materials Research Society Symposia Proceedings*, **1995**, 408, 591		
32	Irradiation Effects of Ar-Cluster Ion Beams on Si Surfaces. *Materials Research Society Symposia Proceedings*, **1993**, 316, 1005		9
31	Low Temperature Epitaxial Growth of TiO2 Rutile Films by ICB Deposition and Mechanical Properties in Helium Implanted Rutile Films. *Materials Research Society Symposia Proceedings*, **1993**, 316, 905		3

30	Molecular Dynamics Simulation of the Effects of Energetic Cluster Ion Impact on Solid Surface. *Materials Research Society Symposia Proceedings*, **1993**, 316, 999		4
29	Thin films prepared by simultaneous deposition of copper and free-base phthalocyanine. *European Physical Journal D*, **1993**, 43, 905-909		3
28	Novel Paths for Nucleatton and Growth of Thin Films by Ionized Cluster Beam (ICB) Techniques: Atomic-Scale Observations. *Materials Research Society Symposia Proceedings*, **1991**, 235, 597		2
27	Epitaxial Al(110) Films Grown On Heavily-Doped Si(100) by Cluster Beam Deposition.. *Materials Research Society Symposia Proceedings*, **1991**, 235, 621		
26	Surface Modification of Bio-Active Ceramic (Artificial Bone) by Ion Implantation. *Materials Research Society Symposia Proceedings*, **1991**, 252, 23		0
25	Thin Film Deposition and Growth Processes by Ionized Cluster Beams. *Materials Research Society Symposia Proceedings*, **1990**, 206, 383		9
24	ION BEAM EPITAXY **1990**, 43-155		
23	Aluminum surface mobility on two types of silicon oxide during ionized cluster beam deposition. *Surface and Interface Analysis*, **1990**, 15, 159-162	1.5	2
22	Aluminum surface mobility on silicon nitride and on several silicon oxides. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1990**, 8, 1447-1452	2.9	14
21	Electromigration behavior of aluminum films deposited on silicon by ionized cluster beam and other techniques. *Applied Physics Letters*, **1989**, 54, 18-20	3.4	12
20	Electrical properties of TiO2 films deposited by a reactive-ionized cluster beam. *Journal of Applied Physics*, **1989**, 65, 619-623	2.5	96
19	Optical and structural characteristics of Al2O3 films deposited by the reactive ionized cluster beam method. *Journal of Applied Physics*, **1988**, 63, 241-244	2.5	13
18	Al surface mobility on Si(111) during initial stages of ionized cluster beam deposition. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1988**, 6, 1552-1556	2.9	16
17	Electromigration behavior of ionized cluster beam deposited aluminum films on SiO2. *Applied Physics Letters*, **1988**, 53, 1765-1767	3.4	15
16	Channeling study of structural effects at the Al(111)/Si(111) interface formed by ionized cluster beam deposition. *Applied Physics Letters*, **1987**, 50, 1062-1064	3.4	23
15	Thermal Stability of Metal Films Deposited by Ionized Cluster Beams. *Materials Research Society Symposia Proceedings*, **1987**, 101, 195		5
14	Ionized Cluster Beam Epitaxy of Single Crystal Metal Films on Semiconductors and Insulators. *Materials Research Society Symposia Proceedings*, **1987**, 93, 253		2
13	Metallization by ionized cluster beam deposition. *IEEE Transactions on Electron Devices*, **1987**, 34, 1018-1025	2.5	67

12	The formation and kinetics of Ionized Cluster Beams. *Zeitschrift F Physik D-Atoms Molecules and Clusters*, **1986**, 3, 137-142		27
11	Low temperature epitaxy by ionized-cluster beam. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1986**, 4, 722-727	2.9	74
10	Anthracene and polyethylene thin film depositions by ionized cluster beam. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **1986**, 4, 52-60	2.9	66
9	Characteristics of TiO2 films deposited by a reactive ionized cluster beam. *Journal of Applied Physics*, **1985**, 58, 4146-4149	2.5	53
8	Epitaxial growth of Al on Si(111) and Si(100) by ionized-cluster beam. *Journal of Applied Physics*, **1984**, 56, 2746-2750	2.5	165
7	Preparation of doped amorphous silicon films by ionized-cluster beam deposition. *Journal of Applied Physics*, **1983**, 54, 1583-1587	2.5	19
6	Shallow junction formation by polyatomic cluster ion implantation		4
5	Cluster ion implantation for shallow junction formation		6
4	A high performance 50 nm PMOSFET using decaborane (B/sub 10/H/sub 14/) ion implantation and 2-step activation annealing process		23
3	High-pressure synthesis, crystal structure, and magnetic property of LaCo 6 O 11. *International Journal of Ceramic Engineering & Science*,	2	1
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