

Kunihito Koumoto

List of Publications by Year in descending order

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papers

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270
all docs

270
docs citations

270
times ranked

11699
citing authors

#	ARTICLE	IF	CITATIONS
1	High thermoelectric performance in flexible TiS ₂ /organic superlattices. Journal of the Ceramic Society of Japan, 2022, 130, 211-218.	1.1	4
2	Enhanced thermoelectric performance of n-type Bi ₂ Te _{2.7} Se _{0.3} via a simple liquid-assisted shear exfoliation. Journal of Materials Science and Technology, 2022, 117, 251-258.	10.7	12
3	Review on Wearable Thermoelectric Generators: From Devices to Applications. Energies, 2022, 15, 3375.	3.1	28
4	The effect of morphological modification on the thermoelectric properties of ZnO nanomaterials. Ceramics International, 2021, 47, 6169-6178.	4.8	15
5	Enhanced thermoelectric performance in polymorphic heavily Co-doped Cu ₂ Sn ₃ through carrier compensation by Sb substitution. Science and Technology of Advanced Materials, 2021, 22, 363-372.	6.1	14
6	A highly-efficient concentrated perovskite solar cell-thermoelectric generator tandem system. Journal of Energy Chemistry, 2021, 59, 730-735.	12.9	16
7	High thermoelectric performance of Co-doped Cu ₂ SnS ₃ -attapulgite nano-composites achieved by synergetic manipulation of electrical and thermal transport properties. Journal of Alloys and Compounds, 2021, 887, 161338.	5.5	10
8	Localized vibration and avoided crossing in SrTi ₁₁ O ₂₀ for oxide thermoelectrics with intrinsically low thermal conductivity. Journal of Materials Chemistry A, 2021, 9, 11674-11682.	10.3	11
9	Thermoelectric Flexible Silver Selenide Films: Compositional and Length Optimization. IScience, 2020, 23, 100753.	4.1	42
10	Realization of an Ultrahigh Power Factor and Enhanced Thermoelectric Performance in TiS ₂ via Microstructural Texture Engineering. ACS Applied Materials & Interfaces, 2020, 12, 41687-41695.	8.0	22
11	Effective dopants for CuI single nanocrystals as a promising room temperature thermoelectric material. Ceramics International, 2020, 46, 27244-27253.	4.8	11
12	Thermoelectric properties of oil fly ash-derived carbon nanotubes coated with polypyrrole. Journal of Applied Physics, 2020, 128, 235104.	2.5	7
13	Realizing a High <i>ZT</i> of 1.6 in N-Type Mg ₃ Sb ₂ -Based Zintl Compounds through Mn and Se Codoping. ACS Applied Materials & Interfaces, 2020, 12, 21799-21807.	8.0	26
14	Graphene-Based Thermoelectrics. ACS Applied Energy Materials, 2020, 3, 2224-2239.	5.1	70
15	Distinct anisotropy and a high power factor in highly textured TiS ₂ ceramics <i>via</i> mechanical exfoliation. Chemical Communications, 2020, 56, 5961-5964.	4.1	9
16	Body Heat Powers Future Electronic Skins. Joule, 2019, 3, 1399-1403.	24.0	67
17	Nanocomposites of CuO/SWCNT: Promising thermoelectric materials for mid-temperature thermoelectric generators. Journal of the European Ceramic Society, 2019, 39, 3307-3314.	5.7	27
18	Perovskite solar cell-thermoelectric tandem system with a high efficiency of over 23%. Materials Today Energy, 2019, 12, 363-370.	4.7	30

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19	Wearable and flexible thermoelectrics for energy harvesting. <i>MRS Bulletin</i> , 2018, 43, 193-198.	3.5	48
20	Enhancement of thermoelectric properties by lattice softening and energy band gap control in Te-deficient InTe_{1-x} . <i>AIP Advances</i> , 2018, 8, .	1.3	24
21	Preparation of pH-Responsive Hollow Capsules via Layer-by-Layer Assembly of Exfoliated Layered Double Hydroxide Nanosheets and Polyelectrolytes. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 110-115.	0.9	6
22	Doubling the ZT record of TiS_2 -based thermoelectrics by incorporation of ionized impurity scattering. <i>Journal of Materials Chemistry C</i> , 2018, 6, 9345-9353.	5.5	22
23	A solution-processed TiS_2 /organic hybrid superlattice film towards flexible thermoelectric devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 564-570.	10.3	130
24	A novel glass-fiber-aided cold-press method for fabrication of n-type Ag_2Te nanowires thermoelectric film on flexible copy-paper substrate. <i>Journal of Materials Chemistry A</i> , 2017, 5, 24740-24748.	10.3	73
25	Thermoelectric properties of Nb-doped ($\text{Nd}_{0.55}\text{Li}_{0.36}$) TiO_3 bulk ceramics with superlattice structure. <i>Journal of Alloys and Compounds</i> , 2016, 664, 487-491.	5.5	1
26	Flexible thermoelectric foil for wearable energy harvesting. <i>Nano Energy</i> , 2016, 30, 840-845.	16.0	96
27	Enhanced thermoelectric performance of $x\text{MoS}_2\text{-TiS}_2$ nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016, 666, 346-351.	5.5	19
28	Electronic conduction in La-based perovskite-type oxides. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 026001.	6.1	58
29	Anti-reflective coatings prepared via layer-by-layer assembly of mesoporous silica nanoparticles and polyelectrolytes. <i>Polymer Journal</i> , 2015, 47, 190-194.	2.7	28
30	Flexible n-type thermoelectric materials by organic intercalation of layered transition metal dichalcogenide TiS_2 . <i>Nature Materials</i> , 2015, 14, 622-627.	27.5	612
31	Dielectric Mismatch Mediates Carrier Mobility in Organic-Intercalated Layered TiS_2 . <i>Nano Letters</i> , 2015, 15, 6302-6308.	9.1	62
32	Effects of Transition Metal Substitution on the Thermoelectric Properties of Metallic $(\text{BiS})_{1.2}(\text{TiS}_2)_2$ Misfit Layer Sulfide. <i>Journal of Electronic Materials</i> , 2014, 43, 1870-1874.	2.2	17
33	Templated nucleation of hybrid iron oxide nanoparticles on polysaccharide nanogels. <i>Colloid and Polymer Science</i> , 2013, 291, 1375-1380.	2.1	19
34	Thermoelectric performance enhancement of $(\text{BiS})_{1.2}(\text{TiS}_2)_2$ misfit layer sulfide by chromium doping. <i>Journal of Advanced Ceramics</i> , 2013, 2, 42-48.	17.4	25
35	Grain-Size-Dependent Thermoelectric Properties of SrTiO_3 3D Superlattice Ceramics. <i>Journal of Electronic Materials</i> , 2013, 42, 1568-1572.	2.2	12
36	Self-originating two-step synthesis of core-shell structured La-doped SrTiO_3 nanocubes. <i>Journal of Asian Ceramic Societies</i> , 2013, 1, 35-40.	2.3	16

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37	Sr _x La _{1-x} MnO ₃ : n-type oxides with phase stability at high temperatures in air. Journal of Materials Chemistry A, 2013, 1, 3249.	10.3	14
38	Glass-like thermal conductivity of Nd _{2/3} Li ₃ TiO ₃ bulk ceramics with nano-chessboard superlattice structure. Materials Letters, 2013, 97, 191-194.	2.6	7
39	Thermoelectric Ceramics for Energy Harvesting. Journal of the American Ceramic Society, 2013, 96, 1-23.	3.8	286
40	Nb-doped grain boundary induced thermoelectric power factor enhancement in La-doped SrTiO ₃ nanoceramics. Journal of Power Sources, 2013, 241, 255-258.	7.8	34
41	Influence of excess SrO on the thermoelectric properties of heavily doped SrTiO ₃ ceramics. Applied Physics Letters, 2013, 102, .	3.3	18
42	Solution synthesis and growth mechanism of SrTiO ₃ mesocrystals. CrystEngComm, 2013, 15, 679-685.	2.6	24
43	Thermoelectric Performance of SrTiO ₃ Enhanced by Nanostructuring of Self-Assembled Particulate Film of Nanocubes. ACS Applied Materials & Interfaces, 2013, 5, 10933-10937.	8.0	22
44	Hydrothermal Synthesis of SrTiO ₃ Nanoplates Through Epitaxial Self-Assembly of Nanocubes. Journal of Nanoscience and Nanotechnology, 2012, 12, 2685-2690.	0.9	10
45	Self-Assembled-Monolayers (SAMs) Modified Template Synthesis and Characterization of SrTiO ₃ Nanotube Arrays. Journal of Nanoscience and Nanotechnology, 2012, 12, 2054-2058.	0.9	3
46	Preparation of hollow titania and strontium titanate spheres using sol-gel derived silica gel particles as templates. Journal of Sol-Gel Science and Technology, 2012, 63, 366-372.	2.4	8
47	Nanoscale stacking faults induced low thermal conductivity in thermoelectric layered metal sulfides. Applied Physics Letters, 2012, 100, .	3.3	54
48	Titanium sulphene: two-dimensional confinement of electrons and phonons giving rise to improved thermoelectric performance. Physical Chemistry Chemical Physics, 2012, 14, 15641.	2.8	23
49	Electronic transport properties of the perovskite-type oxides La _{1-x} Sr _x CoO _{3±δ} . Journal of Materials Chemistry, 2012, 22, 20217.	6.7	36
50	Origin of high electrical conductivity in alkaline-earth doped LaCoO ₃ . Journal of Materials Chemistry, 2012, 22, 11003.	6.7	20
51	LaCo _{1-x} Ni _x O ₃ with Improved Electrical Conductivity. Inorganic Chemistry, 2012, 51, 9259-9264.	4.0	18
52	Preparation of Hollow TiO ₂ Spheres of the Desired Polymorphs by Layer-by-Layer Assembly of a Water-Soluble Titanium Complex and Hydrothermal Treatment. European Journal of Inorganic Chemistry, 2012, 2012, 3267-3272.	2.0	7
53	Enhancement of Thermoelectric Figure of Merit for Bi _{0.5} Sb _{1.5} Te ₃ by Metal Nanoparticle Decoration. Journal of Electronic Materials, 2012, 41, 1165-1169.	2.2	60
54	Liquid Phase Morphology Control of ZnO Nanowires, Ellipse Particles, Hexagonal Rods, and Particle in Aqueous Solutions. ISRN Nanotechnology, 2012, 2012, 1-6.	1.3	3

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55	A novel high-performance photovoltaic-thermoelectric hybrid device. <i>Energy and Environmental Science</i> , 2011, 4, 3676.	30.8	239
56	Intercalation: Building a Natural Superlattice for Better Thermoelectric Performance in Layered Chalcogenides. <i>Journal of Electronic Materials</i> , 2011, 40, 1271-1280.	2.2	87
57	Magneto-responsive On-Demand Release of Hybrid Liposomes Formed from Fe ₃ O ₄ Nanoparticles and Thermosensitive Block Copolymers. <i>Small</i> , 2011, 7, 1683-1689.	10.0	99
58	Variable on-demand release function of magneto-responsive hybrid capsules. <i>Journal of Colloid and Interface Science</i> , 2011, 361, 109-114.	9.4	28
59	Electric field thermopower modulation analysis of an interfacial conducting layer formed between Y ₂ O ₃ and rutile TiO ₂ . <i>Journal of Applied Physics</i> , 2011, 110, 063719.	2.5	3
60	Electric field modulation of thermopower for transparent amorphous oxide thin film transistors. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	11
61	Oxide Thermoelectric Materials: A Nanostructuring Approach. <i>Annual Review of Materials Research</i> , 2010, 40, 363-394.	9.3	401
62	Effects of YSZ Additions on Thermoelectric Properties of Nb-Doped Strontium Titanate. <i>Journal of Electronic Materials</i> , 2010, 39, 1777-1781.	2.2	32
63	Enhancement of thermoelectric performance in rare earth-doped Sr ₃ Ti ₂ O ₇ by symmetry restoration of TiO ₆ octahedra. <i>Journal of Electroceramics</i> , 2010, 24, 76-82.	2.0	29
64	Preparation of hybrid hollow capsules formed with Fe ₃ O ₄ and polyelectrolytes via the layer-by-layer assembly and the aqueous solution process. <i>Journal of Colloid and Interface Science</i> , 2010, 341, 64-68.	9.4	37
65	Simulation of Thermoelectric Performance of Bulk SrTiO ₃ with Two-Dimensional Electron Gas Grain Boundaries. <i>Journal of the American Ceramic Society</i> , 2010, 93, 1677-1681.	3.8	36
66	Interfacial Thermal Resistance and Thermal Conductivity in Nanograined SrTiO ₃ . <i>Applied Physics Express</i> , 2010, 3, 031101.	2.4	101
67	Experimental characterization of the electronic structure of anatase TiO ₂ : Thermopower modulation. <i>Applied Physics Letters</i> , 2010, 97, 172112.	3.3	27
68	A single crystalline strontium titanate thin film transistor. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	4
69	Sub-10 nm strontium titanate nanocubes highly dispersed in non-polar organic solvents. <i>Nanoscale</i> , 2010, 2, 2080.	5.6	77
70	Development of novel thermoelectric materials by reduction of lattice thermal conductivity. <i>Science and Technology of Advanced Materials</i> , 2010, 11, 044306.	6.1	131
71	Effects of mesoporous silica addition on thermoelectric properties of Nb-doped SrTiO ₃ . <i>Journal of Alloys and Compounds</i> , 2010, 497, 308-311.	5.5	35
72	Magneto-responsive Smart Capsules Formed with Polyelectrolytes, Lipid Bilayers and Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 768-773.	8.0	97

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73	Low-Thermal-Conductivity $(\text{MS})_{1+x}(\text{TiS}_2)_2$ ($M = \text{Pb, Bi, Sn}$) Misfit Layer Compounds for Bulk Thermoelectric Materials. <i>Materials</i> , 2010, 3, 2606-2617.	2.9	125
74	Electric-Field Modulation of Thermopower for the KTaO_3 Field-Effect Transistors. <i>Applied Physics Express</i> , 2009, 2, 121103.	2.4	18
75	Thermoelectric properties of electron doped $\text{SrO}(\text{SrTiO}_3)_n$ ($n=1,2$) ceramics. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	71
76	Microstructure evolution of $\text{Ca}_{0.33}\text{Co}_2$ thin films investigated by high-angle annular dark-field scanning transmission electron microscopy. <i>Journal of Materials Research</i> , 2009, 24, 279-287.	2.6	7
77	High-temperature thermoelectric properties of $\text{Ca}_{0.9-x}\text{Sr}_x\text{Yb}_{0.1}\text{MnO}_3$ ($x=0.2$). <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	50
78	Enzyme-Assisted Synthesis of Titania under Ambient Conditions. <i>Journal of the American Ceramic Society</i> , 2009, 92, S181-S184.	3.8	8
79	Enhanced effective mass in doped SrTiO_3 and related perovskites. <i>Physica B: Condensed Matter</i> , 2009, 404, 2202-2212.	2.7	144
80	Morphology control of anisotropic BaTiO_3 and BaTiOF_4 using organic-inorganic interaction. <i>Journal of Crystal Growth</i> , 2009, 311, 589-592.	1.5	4
81	Tunable UV-Responsive Organic-Inorganic Hybrid Capsules. <i>Chemistry of Materials</i> , 2009, 21, 195-197.	6.7	70
82	Site-Selective Deposition of In_2O_3 Using a Self-Assembled Monolayer. <i>Crystal Growth and Design</i> , 2009, 9, 555-561.	3.0	31
83	Preparation of layered double hydroxide coating films via the aqueous solution process using binary oxide gel films as precursor. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 356-358.	1.1	6
84	Anisotropic carrier transport properties in layered cobaltate epitaxial films grown by reactive solid-phase epitaxy. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	22
85	Hexagonal Symmetry Radial Whiskers of ZnO Crystallized in Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 522-526.	0.9	8
86	Room Temperature CVD of TiO_2 Thin Films and Their Electronic Properties. <i>Science of Advanced Materials</i> , 2009, 1, 138-143.	0.7	26
87	Fabrication and thermoelectric properties of heavily rare-earth metal-doped $\text{SrO}(\text{SrTiO}_3)_n$ ($n=1, 2$) ceramics. <i>Ceramics International</i> , 2008, 34, 849-852.	4.8	46
88	X-ray absorption study on $\text{LiNi}_0.8\text{Co}_0.15\text{Al}_0.05\text{O}_2$ cathode material for lithium-ion batteries. <i>Ceramics International</i> , 2008, 34, 859-862.	4.8	20
89	Critical thickness for giant thermoelectric Seebeck coefficient of 2DEG confined in $\text{SrTiO}_3/\text{SrTi}_{0.8}\text{Nb}_{0.2}\text{O}_3$ superlattices. <i>Thin Solid Films</i> , 2008, 516, 5916-5920.	1.8	32
90	Recent Progress in Oxide Thermoelectric Materials: p-Type $\text{Ca}_3\text{Co}_4\text{O}_9$ and n-Type SrTiO_3 . <i>Inorganic Chemistry</i> , 2008, 47, 8429-8436.	4.0	328

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91	Photoluminescence from ZnO Nanoparticles Embedded in an Amorphous Matrix. <i>Crystal Growth and Design</i> , 2008, 8, 1503-1508.	3.0	30
92	Synthesis of Acicular BaTiO ₃ Particles using Acicular Barium Oxalates. <i>Crystal Growth and Design</i> , 2008, 8, 169-171.	3.0	17
93	Epitaxial Film Growth of Li _x Co ₂ (0.6 ≤ x ≤ 0.9) via Topotactic Ion Exchange of Na _{0.8} Co ₂ . <i>Crystal Growth and Design</i> , 2008, 8, 755-758.	3.0	16
94	Direct observations of Ca ordering in Ca _{0.33} CoO ₂ thin films with different superstructures. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	16
95	Nano/Micro Patterning of Inorganic Thin Films. <i>Bulletin of the Chemical Society of Japan</i> , 2008, 81, 1337-1376.	3.2	23
96	Fusion and Growth Behavior of Gold Nanoparticles Stabilized by Allylmercaptane. <i>Macromolecular Symposia</i> , 2008, 270, 82-87.	0.7	4
97	Review of Oxide Thermoelectric Materials and Devices Originated. <i>Journal of the Institute of Electrical Engineers of Japan</i> , 2008, 128, 282-283.	0.0	0
98	Enhanced Seebeck coefficient of quantum-confined electrons in SrTiO ₃ ∕SrTi _{0.8} Nb _{0.2} O ₃ superlattices. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	85
99	The effect of Eu substitution on thermoelectric properties of SrTi _{0.8} Nb _{0.2} O ₃ . <i>Journal of Applied Physics</i> , 2007, 102, 116107.	2.5	38
100	Enhancement of Seebeck coefficient for SrO(SrTiO ₃) ₂ by Sm substitution: Crystal symmetry restoration of distorted TiO ₆ octahedra. <i>Applied Physics Letters</i> , 2007, 91, 242102.	3.3	15
101	Origin of Giant Seebeck Coefficient for High Density 2DEGs Confined in the SrTiO ₃ /SrTi _{0.8} Nb _{0.2} O ₃ Superlattices. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	2
102	Quantum Size Effect of 2DEG Confined Within BaTiO ₃ /SrTiO ₃ :Nb Superlattices. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	0
103	Growth Behavior of TiO ₂ Particles via the Liquid Phase Deposition Process. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 831-834.	1.1	19
104	Influences of Growth Conditions to Morphology of ZnO Thin Films Electrolessly Deposited on Pd Catalyst. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 850-855.	1.1	8
105	Site-Selective Deposition and Micropatterning of Visible-Light-Emitting Europium-Doped Yttrium Oxide Thin Film on Self-Assembled Monolayers. <i>Chemistry of Materials</i> , 2007, 19, 1002-1008.	6.7	57
106	Synthesis of BaTiO ₃ Nanowires at Low Temperature. <i>Crystal Growth and Design</i> , 2007, 7, 2713-2715.	3.0	31
107	Positioning of cationic silver nanoparticle by using AFM lithography and electrostatic interaction. <i>Applied Surface Science</i> , 2007, 254, 621-626.	6.1	2
108	Giant thermoelectric Seebeck coefficient of a two-dimensional electron gas in SrTiO ₃ . <i>Nature Materials</i> , 2007, 6, 129-134.	27.5	910

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109	Template-Free Self-Assembly of a Nanoporous TiO ₂ Thin Film. <i>Journal of the American Ceramic Society</i> , 2007, 90, 831-837.	3.8	27
110	Thermoelectric Performance of Epitaxial Thin Films of Layered Cobalt Oxides Grown by Reactive Solid-Phase Epitaxy with Topotactic Ion-Exchange Methods. <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 308-317.	2.1	8
111	Thermoelectric Properties of Ruddlesden-Popper Phase n-Type Semiconducting Oxides: La-, Nd-, and Nb-Doped Sr ₃ Ti ₂ O ₇ . <i>International Journal of Applied Ceramic Technology</i> , 2007, 4, 326-331.	2.1	20
112	Morphology control of ZnO crystalline particles in aqueous solution. <i>Electrochimica Acta</i> , 2007, 53, 171-174.	5.2	37
113	Evaluation of Ni-MLCC and Fabrication of Ni Thin Electrode by used Ni Nano powder. <i>Transactions of the Materials Research Society of Japan</i> , 2007, 32, 851-854.	0.2	0
114	Complex Oxide Materials for Potential Thermoelectric Applications. <i>MRS Bulletin</i> , 2006, 31, 206-210.	3.5	327
115	Micropatterning of Copper on a Poly(ethylene terephthalate) Substrate Modified with a Self-Assembled Monolayer. <i>Langmuir</i> , 2006, 22, 332-337.	3.5	77
116	Epitaxial Film Growth and Superconducting Behavior of Sodium Cobalt Oxyhydrate, Na _x CoO ₂ ·yH ₂ O (x ^{1/4}) T _j E _T Q ₀ 0 0 r _g BT / Over	4.6	14
117	Site-Selective Deposition and Morphology Control of UV- and Visible-Light-Emitting ZnO Crystals. <i>Crystal Growth and Design</i> , 2006, 6, 75-78.	3.0	120
118	Grain Size Dependence of Thermoelectric Performance of Nb-Doped SrTiO ₃ Polycrystals. <i>Journal of the Ceramic Society of Japan</i> , 2006, 114, 102-105.	1.3	146
119	Patterning of ZrO ₂ Precursor Through a Gas-Generated Self-Assembly Route. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1842-1846.	0.9	4
120	Preparation and Characterization of Polypeptide-Stabilized Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1649-1654.	0.9	5
121	Synthesis of an oxygen nonstoichiometric Sr ₆ Co ₅ O ₁₅ phase. <i>Materials Research Bulletin</i> , 2006, 41, 732-739.	5.2	20
122	Exfoliation of Layers in Na _x CoO ₂ . <i>Journal of Nanoscience and Nanotechnology</i> , 2006, 6, 1632-1638.	0.9	28
123	Preparation and Thermoelectric Properties of Na _x CoO ₂ /Co ₃ O ₄ Layered Nano-Composite. <i>Materials Transactions</i> , 2005, 46, 1453-1455.	1.2	9
124	Deposition of FeOOH, Fe ₃ O ₄ and Fe on Pd-catalyzed substrates. <i>Journal of Crystal Growth</i> , 2005, 284, 176-183.	1.5	28
125	A novel process to form a silica-like thin layer on polyethylene terephthalate film and its application for gas barrier. <i>Thin Solid Films</i> , 2005, 473, 351-356.	1.8	47
126	The Formation Mechanism of a Textured Ceramic of Thermoelectric [Ca ₂ CoO ₃] _{0.62} [CoO ₂] on Fe ₂ -Co(OH) ₂ Templates through in Situ Topotactic Conversion. <i>Journal of the American Chemical Society</i> , 2005, 127, 6367-6373.	13.7	57

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127	Low Dimensional Particle Patterning. Journal of Dispersion Science and Technology, 2005, 25, 503-511.	2.4	3
128	Self-Assembly Patterning of Silica Colloidal Crystals. Langmuir, 2005, 21, 4478-4481.	3.5	90
129	Bioinspired Ceramic Thin Film Processing: Present Status and Future Perspectives. Crystal Growth and Design, 2005, 5, 1983-2017.	3.0	147
130	Reactive Solid-Phase Epitaxial Growth of Na_xCoO_2 ($x \approx 0.83$) via Lateral Diffusion of Na into a Cobalt Oxide Epitaxial Layer. Crystal Growth and Design, 2005, 5, 25-28.	3.0	66
131	Thermoelectric Properties of $(\text{ZnO})_5\text{In}_2\text{O}_3$ Single Crystal Grown by a Flux Method. Japanese Journal of Applied Physics, 2004, 43, L194-L196.	1.5	12
132	Effect of Postdeposition Annealing on Luminescence from Zinc Oxide Patterns Prepared by the Electroless Deposition Process. Journal of the Electrochemical Society, 2004, 151, H169.	2.9	24
133	Pattern-deposition of light-emitting ZnO particulate film through biomimetic process using self-assembled monolayer template. Microelectronics Journal, 2004, 35, 349-352.	2.0	14
134	Room-Temperature Preparation of ZrO_2 Precursor Thin Film in an Aqueous Peroxozirconium-Complex Solution. Chemistry of Materials, 2004, 16, 2615-2622.	6.7	110
135	Atomic scale flattening of organosilane self-assembled monolayer and patterned tin hydroxide thin films. Journal of the European Ceramic Society, 2004, 24, 427-434.	5.7	16
136	Site-selective deposition and micropatterning of tantalum oxide thin films using a monolayer. Journal of the European Ceramic Society, 2004, 24, 301-307.	5.7	45
137	The effect of surface charge on hydroxyapatite nucleation. Biomaterials, 2004, 25, 3915-3921.	11.4	161
138	Deposition mechanism of anatase TiO_2 from an aqueous solution and its site-selective deposition. Solid State Ionics, 2004, 172, 283-288.	2.7	28
139	Micropatterning of lanthanum-based oxide thin film on self-assembled monolayers. Journal of Colloid and Interface Science, 2004, 274, 392-397.	9.4	22
140	TiO_2 nanoparticles prepared using an aqueous peroxotitanate solution. Ceramics International, 2004, 30, 1365-1368.	4.8	111
141	Acid-Base Properties and Zeta Potentials of Self-Assembled Monolayers Obtained via in Situ Transformations. Langmuir, 2004, 20, 8693-8698.	3.5	130
142	Photoinduced Cleavage of Alkyl Monolayers on Si. Langmuir, 2004, 20, 1517-1520.	3.5	31
143	Seedless micropatterning of copper by electroless deposition on self-assembled monolayers. Journal of Materials Chemistry, 2004, 14, 976.	6.7	57
144	Site-Selective Deposition of Magnetite Particulate Thin Films on Patterned Self-assembled Monolayers. Chemistry of Materials, 2004, 16, 3484-3488.	6.7	69

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145	Micropatterning of TiO ₂ Thin Film in an Aqueous Peroxotitanate Solution. <i>Chemistry of Materials</i> , 2004, 16, 1062-1067.	6.7	64
146	Interfacial Observation of an Alkylsilane Self-Assembled Monolayer on Hydrogen-Terminated Si. <i>Langmuir</i> , 2004, 20, 8942-8946.	3.5	10
147	Fabrication of Self-Assembled Monolayers (SAMs) and Inorganic Micropattern on Flexible Polymer Substrate. <i>Langmuir</i> , 2004, 20, 3278-3283.	3.5	52
148	Self-Assembly Patterning of Colloidal Crystals Constructed from Opal Structure or NaCl Structure. <i>Langmuir</i> , 2004, 20, 5588-5592.	3.5	61
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