Nobuhiro Kumada

List of Publications by Year
in descending order

105	1,703	304743	345221
papers	citations	22 h-index	36 g-index

110	110	110	1686
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controllable antimicrobial properties of silver ion-exchanged niobate and tantalate compounds. Journal of Asian Ceramic Societies, 2022, 10, 49-57.	2.3	3
2	Hydrothermal synthesis and crystal structure of a novel double-perovskite-type bismuth oxide with 3â€‰:â€‰1 ordering at the B-site. New Journal of Chemistry, 2022, 46, 3595-3601.	2.8	5
3	Hydrothermal synthesis and crystal structure of a new rubidium sodium niobium fluoride, RbNaNbF₇. Journal of the Ceramic Society of Japan, 2022, 130, 232-235.	1.1	1
4	Synthesis of mesoporous silica containing group 2-metal cations and their performance behavior in rare earth cation adsorption. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125664.	4.7	6
5	Hydrothermal magic for the synthesis of new bismuth oxides. Inorganic Chemistry Frontiers, 2021, 8, 2918-2938.	6.0	26
6	Photocatalytic activity of RBi₂O₄NO₃ (R: Tb, Dy, Er, Gd, and Ho) for phenol degradation under visible light irradiation. Journal of the Ceramic Society of Japan, 2021, 129, 181-186.	1.1	2
7	Hydrothermal Synthesis and Crystal Structure of a Novel Bismuth Oxide: (K_{0.2}Sr_{0.8})(Na_{0.01}Ca_{0.25}Bi_{0.74})O₃. ACS Omega, 2021, 6, 15975-15980.	3.5	11
8	Electrical properties of pyrochlore-type silver tantalate and fluorite-type silver niobate. Journal of the Ceramic Society of Japan, 2020, 128, 46-50.	1.1	3
9	Hydrothermal Synthesis and Crystal Structure of a Mixed-Valence Bismuthate, Na₃Bi₃O₈. Inorganic Chemistry, 2020, 59, 4950-4960.	4.0	13
10	Structural investigation of ferroelectric BiFeO3â€“BaTiO3 solid solutions near the rhombohedralâ€“pseudocubic phase boundary. Applied Physics Letters, 2020, 116, .	3.3	5
11	Hydrothermal synthesis and crystal structure of a mixed-valence pyrochlore-type strontium bismuthate, (Sr_{0.75}Bi_{0.25})₂Bi₂O_{6.83}. Journal of the Ceramic Society of Japan, 2020, 128, 660-663.	1.1	3
12	Mechanical, electronic, optical, and thermodynamic properties of orthorhonmbic LiCuBiO4 crystal: a firstâ€“priciples study. Journal of Materials Research and Technology, 2019, 8, 3783-3794.	5.8	41
13	Hexagonal tungsten oxide-polyaniline hybrid electrodes for high-performance energy storage. Applied Surface Science, 2019, 498, 143872.	6.1	24
14	Hydrothermal Synthesis and Crystal Structure of a (Ba_{0.54}K_{0.46})₄Bi₄O₁₂ Double-Perovskite Superconductor with Onset of the Transition T_c â‰¼ 30 K. Inorganic Chemistry, 2019, 58, 11997-12001.	4.0	24
15	Hydrothermal synthesis of KTi₂(PO₄)₃, Î±-Ti(HPO₄)₂Â·H₂O and Î³-Ti(PO₄)(H₂PO₄)Â·2H₂O from a lepidocrocite-type titanate. Journal of Asian Ceramic Societies, 2019, 7, 361-367.	2.3	3
16	Hydrothermal synthesis and crystal structure of a fluorite-type Pb0.35Bi0.65O1.59 compound with photocatalytic activity. Materials Letters, 2019, 257, 126688.	2.6	6
17	Effects of starting materials on the deposition behavior of hydrothermally synthesized {1â€¯0â€¯0} -oriented epitaxial (K,Na)NbO3 thick films and their ferroelectric and piezoelectric properties. Journal of Crystal Growth, 2019, 511, 1-7.	1.5	18
18	Enhanced Supercapacitor Performance Based on CoAl Layered Double Hydroxide-Polyaniline Hybrid Electrodes Manufactured Using Hydrothermal-Electrodeposition Technology. Molecules, 2019, 24, 976.	3.8	19

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19	Synthesis and crystal structure of a new bismuth tin titanate with the pyrochlore-type structure. Journal of the Ceramic Society of Japan, 2019, 127, 952-957.	1.1	1
20	Hydrothermal Synthesis of Pyrochlore-Type Pentavalent Bismuthates Ca₂Bi₂O₇ and Sr₂Bi₂O₇. Inorganic Chemistry, 2019, 58, 1759-1763.	4.0	18
21	Hydrothermal doping of Ag into three types of potassium niobates. Journal of the Ceramic Society of Japan, 2018, 126, 784-788.	1.1	6
22	Hydrothermal reaction of NaBiO₃Â·<i>n</i>H₂O with transition-metal (Co, Ni, Cu) salts. Journal of the Ceramic Society of Japan, 2018, 126, 1005-1012.	1.1	4
23	Ca_xBa_{1â€“x}Nb₂O₆ Ferroelectric Nanopowders for Ultrahigh-Density Optical Data Storage. ACS Applied Nano Materials, 2018, 1, 6289-6300.	5.0	7
24	Crystal structure, photocatalytic and dielectric property of ATiM₂O₈ (A: Mg,) Tj ETQq0 0 0 rgBT /Overlock 10	2.3	9
25	Circumstances of La, Eu, Dy, and Yb Cations Intercalated via Ion Exchange in Î³-Zirconium Phosphate. Inorganic Chemistry, 2018, 57, 13097-13103.	4.0	10
26	Crystal Structure, Thermal Behavior, and Photocatalytic Activity of NaBiO₃Â·nH₂O. Inorganic Chemistry, 2018, 57, 8903-8908.	4.0	26
27	Hydrothermal Synthesis, Structure, and Superconductivity of Simple Cubic Perovskite (Ba_{0.62}K_{0.38})(Bi_{0.92}Mg_{0.08})O₃ with T_c â‰¥ 30 K. Inorganic Chemistry, 2017, 56, 3174-3181.	4.0	26
28	Hydrothermal Synthesis, Crystal Structure, and Visible-Region Photocatalytic Activity of BaBi₂O₆. ChemistrySelect, 2017, 2, 4843-4846.	1.5	14
29	Synthesis of rutile-type solid solution Ni_{1â€“x}Co_xTi(Nb_{1â€“y}Ta_y)₂O₈ (0Âá‰Âx á‰Â1, 0Âá‰ÂyÂá‰Â1) and its optical property. Journal of Asian Ceramic Societies, 2017, 5, 284-289.	2.3	14
30	Hydrothermal synthesis and crystal structure of a new lithium copper bismuth oxide, LiCuBiO 4. Journal of Solid State Chemistry, 2017, 245, 30-33.	2.9	7
31	Synthesis and crystal structure of pyrochlore-type silver niobate and tantalate. Journal of the Ceramic Society of Japan, 2017, 125, 776-778.	1.1	6
32	Study on Preparation and Crystal Chemistry of Inorganic Ion-Exchangers. Journal of Ion Exchange, 2017, 28, 29-36.	0.3	1
33	Thermal Catalysis Reaction for Self-Surface-Modification of Titania and the Retention Behavior of Resulting Packing Materials in HPLC. Chromatography, 2016, 37, 87-92.	1.7	2
34	Adsorption Behavior of Rare Earth Metal Cations in the Interlayer Space of Î³-ZrP. Langmuir, 2016, 32, 9993-9999.	3.5	5
35	High-Pressure Polymorph of NaBiO₃. Inorganic Chemistry, 2016, 55, 5747-5749.	4.0	7
36	Hydrothermal Synthesis, Crystal Structure, and Superconductivity of a Double-Perovskite Bi Oxide. Chemistry of Materials, 2016, 28, 459-465.	6.7	54

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37	Hydrothermal synthesis of a new Bi-based (Ba0.82K0.18)(Bi0.53Pb0.47)O3 superconductor. Journal of Alloys and Compounds, 2015, 634, 208-214.	5.5	38
38	Superconducting Double Perovskite Bismuth Oxide Prepared by a Lowâ€Temperature Hydrothermal Reaction. Angewandte Chemie - International Edition, 2014, 53, 3599-3603.	13.8	61
39	Single-crystalline porous NiO nanosheets prepared from Î²-Ni(OH)2 nanosheets: Magnetic property and photocatalytic activity. Applied Catalysis B: Environmental, 2014, 147, 741-747.	20.2	65
40	Crystal structures of a pentavalent bismuthate, SrBi₂O₆ and a lead bismuth oxide (Pb_{1/3}Bi_{2/3})O_{1.4}. Journal of Asian Ceramic Societies, 2014, 2, 150-153.	2.3	18
41	Preparation and photocatalytic properties of new calcium and lead bismuthates. Journal of the Ceramic Society of Japan, 2014, 122, 509-512.	1.1	18
42	Dielectric and Piezoelectric Properties of Barium Titanate â€“ Potassium Niobate Nano-structured Ceramics with Artificial MPB Structure. Transactions of the Materials Research Society of Japan, 2014, 39, 113-115.	0.2	0
43	Effect of sintering condition and V-doping on the piezoelectric properties of BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO< ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 589-592.		
44	Low temperature synthesis of ATiO₃ (A: Mg, Ca, Sr, Ba) by using molten salt. Journal of the Ceramic Society of Japan, 2013, 121, 74-79.	1.1	10
45	Chemical composition dependence of ferroelectric properties for BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO< lead-free piezoelectric ceramics. Journal of the Ceramic Society of Japan, 2013, 121, 855-858.		
46	Recyclable Pd-Incorporated Perovskite-Titanate Catalysts Synthesized in Molten Salts for the Liquid-Phase Oxidation of Alcohols with Molecular Oxygen. Bulletin of the Chemical Society of Japan, 2013, 86, 146-152.	3.2	8
47	Size-controlled synthesis of Î²-Co(OH)<SUB align="right">2 hexagonal nanoplates and their conversion into CoO octahedrons using cobalt naphthenate under solvothermal conditions. International Journal of Nanotechnology, 2013, 10, 71.	0.2	3
48	Preparation and crystal structure of new inorganic compounds by hydrothermal reaction. Journal of the Ceramic Society of Japan, 2013, 121, 135-141.	1.1	16
49	Hydrothermal Synthesis of BiFeO₃ Fine Particles. Transactions of the Materials Research Society of Japan, 2013, 38, 53-55.	0.2	2
50	Fabrication of Textured BaTiO₃ Ceramics by Electrophoretic Deposition in A High Magnetic Field using Single-domain Particles. Transactions of the Materials Research Society of Japan, 2013, 38, 41-44.	0.2	4
51	The Dielectric and Piezoelectric Properties of KNbO₃ / BaTiO₃ Composites With A Wide BaTiO₃ Size Distribution. Transactions of the Materials Research Society of Japan, 2013, 38, 57-60.	0.2	5
52	Preparation of Bismuthï¼Based Perovskites with Non-integer A and B Site Valence and Their Properties. Transactions of the Materials Research Society of Japan, 2013, 38, 49-52.	0.2	0
53	Piezoelectric and Dielectric Enhancement of New Nano-structured Ceramics with Heteroepitaxial Interfaces. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2013, 2013, 000001-000004.	0.2	0
54	Structural, dielectric, and piezoelectric properties of BaTiO3-Bi(Ni1/2Ti1/2)O3 ceramics. Journal of the Ceramic Society of Japan, 2012, 120, 30-34.	1.1	37

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55	Piezoelectric enhancement of relaxor-based lead-free piezoelectric ceramics by nanodomain engineering. , 2012, , .		0
56	Enhanced piezoelectric response of BaTiO3â€“KNbO3 composites. Applied Physics Letters, 2011, 99, .	3.3	44
57	Synthesis of LiCoO2 via a facile hydrothermal-assisted route. Journal of the Ceramic Society of Japan, 2011, 119, 538-540.	1.1	3
58	Preparation and crystal structure of two types of zirconium phosphates by hydrothermal reaction. Journal of the Ceramic Society of Japan, 2011, 119, 412-416.	1.1	9
59	Preparation of Co and Ni dispersed porous carbon from metal naphthenate-phenolic and fran resin hybrid. Journal of the Ceramic Society of Japan, 2011, 119, 470-476.	1.1	0
60	Hydrothermal synthesis of NaNbO3-morphology change by starting compounds-. Journal of the Ceramic Society of Japan, 2011, 119, 483-485.	1.1	8
61	Cobalt oxide (Co3O4) nanorings prepared from hexagonal Î²-Co(OH)2 nanosheets. Materials Research Bulletin, 2011, 46, 1156-1162.	5.2	33
62	Preparation of a new pyrochlore-type compound Na0.32Bi1.68Ti2O6.46(OH)0.44 by hydrothermal reaction. Journal of Solid State Chemistry, 2011, 184, 1899-1902.	2.9	15
63	Photocatalytic activities of various pentavalent bismuthates under visible light irradiation. Journal of Solid State Chemistry, 2011, 184, 2017-2022.	2.9	103
64	Structural, Dielectric, and Piezoelectric Properties of Mn-Doped BaTiO₃â€“Bi(Mg_{1/2}Ti_{1/2})O₃â€“BiFeO₃Ceramics Japanese Journal of Applied Physics, 2011, 50, 09ND07.	1.5	42
65	Preparation and characterization of hollow magnetite spheres via a template-free route. Journal of the Ceramic Society of Japan, 2010, 118, 272-277.	1.1	6
66	Dispersion of barium titanate and strontium titanate nanocubes and their selective accumulations. Journal of the Ceramic Society of Japan, 2010, 118, 688-690.	1.1	4
67	Piezoelectric anomalies at the ferroelastic phase transitions of lead-free tungsten bronze ferroelectrics. Journal of the Ceramic Society of Japan, 2010, 118, 717-721.	1.1	10
68	Low temperature synthesis of tetragonal BaTiO3 by using molten salt. Journal of the Ceramic Society of Japan, 2010, 118, 738-740.	1.1	3
69	Preparation and crystal structure of [enH2]0.5[Ho(HPO4)(SO4)(H2O)] (en; ethylenediamine). Journal of the Ceramic Society of Japan, 2010, 118, 236-240.	1.1	0
70	Preparation of barium titanate-bismuth magnesium titanate ceramics with high Curie temperature and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 683-687.	1.1	23
71	Preparation of barium titanate-potassium niobate ceramics using interface engineering and their piezoelectric properties. Journal of the Ceramic Society of Japan, 2010, 118, 691-695.	1.1	10
72	Template-free hydrothermal synthesis of hollow hematite microspheres. Journal of Materials Science, 2010, 45, 5685-5691.	3.7	27

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73	Rising Tc in Bi and Cu co-doped BaTiO3. Materials Letters, 2010, 64, 383-385.	2.6	16
74	Enhanced Piezoelectric Properties of Lead-Free Piezoelectric Materials by Microstructure Control. Ferroelectrics, 2010, 402, 121-129.	0.6	1
75	Piezoelectric properties of high Curie temperature barium titanateâ€“bismuth perovskite-type oxide system ceramics. Journal of Applied Physics, 2010, 108, .	2.5	78
76	Hydrothermal Synthesis of a New Double Perovskite-Type Bismuthate, (Ba0.75K0.14H0.11)BiO3Â·nH2O. Japanese Journal of Applied Physics, 2009, 48, 010216.	1.5	25
77	Facile Hydrothermal Synthesis of Yttrium Hydroxide Nanowires. Crystal Growth and Design, 2009, 9, 978-981.	3.0	35
78	Synthesis, Crystal Structure, and Magnetic Properties of Bi₃Mn₄O₁₂(NO₃) Oxynitrate Comprising S = 3/2 Honeycomb Lattice. Journal of the American Chemical Society, 2009, 131, 8313-8317.	13.7	133
79	Sorption of divalent Fe, Co, Ni, and mixed-valent Fe into mesoporous silica grafted with an aminopropyl group, and their adsorption properties. Journal of the Ceramic Society of Japan, 2009, 117, 1180-1185.	1.1	3
80	Hydrothermal conversion of chrysotile to amorphous silica or brucite. Journal of the Ceramic Society of Japan, 2009, 117, 1240-1242.	1.1	3
81	Hydrothermal synthesis of a new perovskite-type bismuth oxide: Ba0.96Bi0.86O2.59(OH)0.41. Journal of the Ceramic Society of Japan, 2009, 117, 214-216.	1.1	17
82	Synthesis of hematite particles with various shapes by a simple hydrothermal reaction. Journal of the Ceramic Society of Japan, 2009, 117, 245-248.	1.1	13
83	Preparation of cordierite from fibrous sepiolite. Journal of the Ceramic Society of Japan, 2009, 117, 1236-1239.	1.1	4
84	Crystal structure of pseudobrookite-type Mg5Nb4O15 from 293 to 1117 K. Journal of the Ceramic Society of Japan, 2009, 117, 489-493.	1.1	2
85	Hydrothermal synthesis of Fe3O4 particles with various shapes. Journal of the Ceramic Society of Japan, 2009, 117, 881-886.	1.1	20
86	Preparation of Na0.5Bi0.5TiO3 by hydrothermal reaction. Journal of the Ceramic Society of Japan, 2008, 116, 1238-1240.	1.1	8
87	Hydrothermal synthesis of perovskite-type BiFeO3. Journal of the Ceramic Society of Japan, 2008, 116, 837-839.	1.1	7
88	Silylation of layered zirconium hydroxy phosphate and its porous properties. Journal of Materials Science, 2007, 42, 2837-2843.	3.7	5
89	Preparation of Transition Metal-Mesoporous Silica Hybrid for Adsorbent Materials. Journal of Ion Exchange, 2007, 18, 604-609.	0.3	2
90	Crystal structures of CdTi2O4(OH)2 and LaTiSbO6. Materials Research Bulletin, 2005, 40, 1166-1171.	5.2	8

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91	Preparation of Polyaniline/Mesoporous Silica Hybrid and Its Electrochemical Properties. Journal of Porous Materials, 2005, 12, 337-343.	2.6	22
92	New development of inorganic ion exchanger: Ion-Exchange of Na+ Ion in Na0.95Mo2O4. Journal of Ion Exchange, 2005, 16, 55-59.	0.3	0
93	Synthesis and Crystal Structure of Hollandite-Type K_{<I>x</I>}Nb_{<I>y</I>}Ti_{8 - <I>y</I>}O₁₆ (<I>x</I> ≤) Tj ET Q q 1 1 0.784314		
94	Ion-exchange Reaction of Hydroxyapatites with Eu3+ and Tb3+ Ions. Journal of Ion Exchange, 2003, 14, 153-156.	0.3	0
95	Synthesis of New Inoragnic Compounds by Ion-exchange Reaction.. Journal of Ion Exchange, 2003, 14, 24-29.	0.3	0
96	Non-aqueous Synthesis and Structure of a Novel Monodimensional Zirconium Phosphate: [NH4]3[Zr(OH)2(PO4)(HPO4)]. Chemistry Letters, 2002, 31, 398-399.	1.3	16
97	A Novel Layered Zirconium Phosphate [NH4]2[Zr(OH)3(PO4)] Synthesized through Non-aqueous Route. Chemistry Letters, 2002, 31, 804-805.	1.3	12
98	Nonaqueous Synthesis and Characterization of a Novel Layered Zirconium Phosphate Templated with Mixed Organic and Inorganic Cations. Chemistry of Materials, 2000, 12, 956-960.	6.7	56
99	Novel Open-Framework Material:Â Cerium Oxyfluoride with CeO6F2Dodecahedron. Chemistry of Materials, 2000, 12, 3527-3529.	6.7	18
100	Preparation and crystal structure of new niobium oxides.. Nihon Kessho Gakkaishi, 1999, 41, 136-140.	0.0	0
101	Preparation of bismuth oxides with mixed valence from hydrated sodium bismuth oxide. Materials Research Bulletin, 1995, 30, 129-134.	5.2	36
102	Crystal structure of a new lanthanum-bismuth oxyhydroxide: La0.26Bi0.74OOH. Materials Research Bulletin, 1994, 29, 497-503.	5.2	20
103	Preparation of ilmenite type oxides via ion-exchange reaction. Materials Research Bulletin, 1993, 28, 849-854.	5.2	20
104	Preparation of Pyrochlore Type Na_{0.39}Bi_{3.47}O₇ Containing Bi⁵⁺ by Low Temperature Hydrothermal Reaction. Journal of the Ceramic Society of Japan, 1993, 101, 966-968.	1.3	14
105	Crystal Structures of Ilmenite Type LiNbO₃ and NaNbO₃. Journal of the Ceramic Society of Japan, 1990, 98, 384-388.	1.3	12