Yoshiyuki Sugahara

List of Publications by Year
in descending order

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203 papers	7,000 citations	50276 46 h-index	69250 77 g-index
210 all docs	210 docs citations	210 times ranked	7162 citing authors

#	Article	IF	Citations
1	Nanoarchitectonics for Transitionâ€Metalâ€Sulfideâ€Based Electrocatalysts for Water Splitting. Advanced Materials, 2019, 31, e1807134.	21.0	998
2	Controlled Chemical Vapor Deposition for Synthesis of Nanowire Arrays of Metalâ€“Organic Frameworks and Their Thermal Conversion to Carbon/Metal Oxide Hybrid Materials. Chemistry of Materials, 2018, 30, 3379-3386.	6.7	264
3	Sizeâ€and Shapeâ€Controlled Conversion of Tungstateâ€Based Inorganicâ€“Organic Hybrid Belts to WO₃ Nanoplates with High Specific Surface Areas. Small, 2008, 4, 1813-1822.	10.0	183
4	Hollow Porous Heterometallic Phosphide Nanocubes for Enhanced Electrochemical Water Splitting. Small, 2018, 14, e1802442.	10.0	166
5	Rational design and construction of nanoporous iron- and nitrogen-doped carbon electrocatalysts for oxygen reduction reaction. Journal of Materials Chemistry A, 2019, 7, 1380-1393.	10.3	159
6	Mesoporous Iron-doped MoS₂/CoMo₂S₄ Heterostructures through Organicâ€“Metal Cooperative Interactions on Spherical Micelles for Electrochemical Water Splitting. ACS Nano, 2020, 14, 4141-4152.	14.6	156
7	Intercalation of alkylamines and water into kaolinite with methanol kaolinite as an intermediate. Applied Clay Science, 1999, 15, 241-252.	5.2	123
8	Multiscale structural optimization: Highly efficient hollow iron-doped metal sulfide heterostructures as bifunctional electrocatalysts for water splitting. Nano Energy, 2020, 75, 104913.	16.0	119
9	Remarkable Charge Separation and Photocatalytic Efficiency Enhancement through Interconnection of TiO₂ Nanoparticles by Hydrothermal Treatment. Angewandte Chemie - International Edition, 2016, 55, 3600-3605.	13.8	116
10	Synthesis and Characterization of Lamellar and Hexagonal Mesostructured Aluminophosphates Using Alkyltrimethylammonium Cations as Structure-Directing Agents. Chemistry of Materials, 1999, 11, 508-518.	6.7	111
11	Direct Intercalation of Poly(vinylpyrrolidone) into Kaolinite by a Refined Guest Displacement Method. Chemistry of Materials, 1999, 11, 3-6.	6.7	110
12	Temperature dependence of Ce:YAG single-crystal phosphors for high-brightness white LEDs/LDs. Materials Research Express, 2015, 2, 055503.	1.6	105
13	Modification of the Interlayer Surface of Kaolinite with Methoxy Groups. Langmuir, 2000, 16, 5506-5508.	3.5	104
14	Holey Assembly of Twoâ€Dimensional Ironâ€Doped Nickelâ€Cobalt Layered Double Hydroxide Nanosheets for Energy Conversion Application. ChemSusChem, 2020, 13, 1645-1655.	6.8	104
15	Intercalation Behavior ofn-Alkylamines into a Protonated Form of a Layered Perovskite Derived from Aurivillius Phase Bi2SrTa2O9. Chemistry of Materials, 2003, 15, 632-635.	6.7	101
16	UV-visible Faraday rotators based on rare-earth fluoride single crystals: LiREF_4 (RE = Tb, Dy, Ho, Er) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.4	95
17	29Si-NMR study of hydrolysis and initial polycondensation processes of organoalkoxysilanes. II. Methyltriethoxysilane. Journal of Non-Crystalline Solids, 1994, 167, 21-28.	3.1	94
18	Formation of Novel Ordered Mesoporous Silicas with Square Channels and Their Direct Observation by Transmission Electron Microscopy. Angewandte Chemie - International Edition, 2000, 39, 3855-3859.	13.8	93

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19	Chemical Design of Palladiumâ€Based Nanoarchitectures for Catalytic Applications. Small, 2019, 15, e1804378.	10.0	90
20	Evidence for the Formation of Interlayer Polyacrylonitrile in Kaolinite. Clays and Clay Minerals, 1988, 36, 343-348.	1.3	89
21	A kaolinite-NMF-methanol intercalation compound as a versatile intermediate for further intercalation reaction of kaolinite. Journal of Materials Research, 1998, 13, 930-934.	2.6	86
22	Organic Modification of FSM-Type Mesoporous Silicas Derived from Kanemite by Silylation. Langmuir, 1999, 15, 2794-2798.	3.5	84
23	29Si-NMR study of hydrolysis and initial polycondensation processes of organoalkoxysilanes. I. Dimethyldiethoxysilane. Journal of Non-Crystalline Solids, 1992, 139, 25-34.	3.1	82
24	General template-free strategy for fabricating mesoporous two-dimensional mixed oxide nanosheetsviaself-deconstruction/reconstruction of monodispersed metal glycerate nanospheres. Journal of Materials Chemistry A, 2018, 6, 5971-5983.	10.3	81
25	Synthesis of Oriented Inorganicâ^'Organic Nanocomposite Films from Alkyltrialkoxysilaneâ^'Tetraalkoxysilane Mixtures. Journal of the American Chemical Society, 1998, 120, 4528-4529.	13.7	80
26	Synthesis of mesoporous aluminophosphates using surfactants with long alkyl chain lengths and triisopropylbenzene as a solubilizing agent. Chemical Communications, 1998, , 559-560.	4.1	79
27	Preparation of a Kaolinite-Polyacrylamide Intercalation Compound. Clays and Clay Minerals, 1990, 38, 137-143.	1.3	67
28	Esterification of the Silanol Groups in the Mesoporous Silica Derived from Kanemite. Journal of Porous Materials, 1998, 5, 127-132.	2.6	66
29	Reactivity of the Ruddlesdenâ^'Popper Phase H2La2Ti3O10with Organic Compounds:Â Intercalation and Grafting Reactions. Chemistry of Materials, 2007, 19, 2352-2358.	6.7	65
30	Properties of Czochralski grown Ce,Gd:Y3Al5O12 single crystal for white light-emitting diode. Journal of Alloys and Compounds, 2013, 553, 89-92.	5.5	65
31	Phosphorus-Based Mesoporous Materials for Energy Storage and Conversion. Joule, 2018, 2, 2289-2306.	24.0	65
32	Two-dimensional mesoporous vanadium phosphate nanosheets through liquid crystal templating method toward supercapacitor application. Nano Energy, 2018, 52, 336-344.	16.0	65
33	Interlayer Surface Modification of the Protonated Triple-Layered Perovskite HCa2Nb3O10Â·xH2O with n-Alcohols. Langmuir, 2003, 19, 9473-9478.	3.5	63
34	Electrochemical energy storage performance of 2D nanoarchitectured hybrid materials. Nature Communications, 2021, 12, 3563.	12.8	62
35	Formation of Methoxy-Modified Interlayer Surface via the Reaction between Methanol and Layered Perovskite HLaNb2O7.cntdot.xH2O. Inorganic Chemistry, 1995, 34, 5065-5069.	4.0	61
36	Synthesis of a kaoliniteâ€“poly(Î²-alanine) intercalation compound. Journal of Materials Chemistry, 2001, 11, 3291-3295.	6.7	60

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37	Interlamellar Esterification of H-Magadiite with Aliphatic Alcohols. Chemistry of Materials, 2001, 13, 3747-3753.	6.7	60
38	Formation of Intercalation Compounds of a Layered Sodium Octosilicate withn-Alkyltrimethylammonium Ions and the Application to Organic Derivatization. Bulletin of the Chemical Society of Japan, 1994, 67, 3352-3355.	3.2	59
39	New Conversion Reaction of an Aurivillius Phase into the Protonated Form of the Layered Perovskite by the Selective Leaching of the Bismuth Oxide Sheet. Journal of the American Chemical Society, 1999, 121, 11601-11602.	13.7	59
40	Tungstate-Based Inorganicâ^'Organic Hybrid Nanobelts/Nanotubes with Lamellar Mesostructures:â€‰ Synthesis, Characterization, and Formation Mechanism. Chemistry of Materials, 2007, 19, 1808-1815.	6.7	59
41	Preparation and HREM Characterization of a Protonated Form of a Layered Perovskite Tantalate from an Aurivillius Phase Bi2SrTa2O9via Acid Treatment. Inorganic Chemistry, 2001, 40, 5768-5771.	4.0	58
42	Reactions of Alkoxyl Derivatives of a Layered Perovskite with Alcohols:Â Substitution Reactions on the Interlayer Surface of a Layered Perovskite. Chemistry of Materials, 2003, 15, 636-641.	6.7	53
43	A Layered Tungstic Acid H2W2O7Â·nH2O with a Double-Octahedral Sheet Structure:â€‰ Conversion Process from an Aurivillius Phase Bi2W2O9 and Structural Characterization. Inorganic Chemistry, 2003, 42, 4479-4484.	4.0	53
44	Interlayer surface modification of the protonated ion-exchangeable layered perovskite HLaNb₂O₇â€¢xH₂O with organophosphonic acids. Chemistry of Materials, 2009, 21, 4155-4162.	6.7	52
45	Synthesis of ?-Sialon from a Montmorillonite-Polyacrylonitrile Intercalation Compound by Carbothermal Reduction. Journal of the American Ceramic Society, 1984, 67, c247-c248.	3.8	49
46	29Si NMR study on co-hydrolysis processes in Si(OEt)4â€“RSi(OEt)3 â€“EtOHâ€“waterâ€“HCl systems (R=Me,) Tj ETQq0 0 0 rgBT /Over	6.7	48
47	Preparation of Organicâ^'Inorganic Hybrids Possessing Nanosheets with Perovskite-Related Structures via Exfoliation during a Solâ^'Gel Process. Chemistry of Materials, 2005, 17, 6198-6204.	6.7	47
48	Single- and Double-Layered Organically Modified Nanosheets by Selective Interlayer Grafting and Exfoliation of Layered Potassium Hexaniobate. Langmuir, 2014, 30, 1169-1175.	3.5	44
49	Crystalline Porous Organic Polymer Bearing â^'SO₃H Functionality for High Proton Conductivity. ACS Sustainable Chemistry and Engineering, 2020, 8, 2423-2432.	6.7	43
50	AlN formation from a hydrotalcite-polyacrylonitrile intercalation compound by carbothermal reduction. Ceramics International, 1988, 14, 163-167.	4.8	41
51	Phosphorus- and Nitrogen-Doped Carbon Nanosheets Constructed with Monolayered Mesoporous Architectures. Chemistry of Materials, 2020, 32, 4248-4256.	6.7	41
52	Heterostructuring Mesoporous 2D Iridium Nanosheets with Amorphous Nickel Boron Oxide Layers to Improve Electrolytic Water Splitting. Small Methods, 2021, 5, e2100679.	8.6	40
53	Synthesis of a Hexagonal Mesostructured Aluminophosphate. Chemistry Letters, 1997, 26, 983-984.	1.3	38
54	Preparation of a Kaoliniteâ€“Nylon 6 Intercalation Compound. Bulletin of the Chemical Society of Japan, 2001, 74, 1153-1158.	3.2	38

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55	Nanoarchitecturing Carbon Nanodot Arrays on Zeolitic Imidazolate Framework-Derived Cobaltâ€“Nitrogen-Doped Carbon Nanoflakes toward Oxygen Reduction Electrocatalysts. ACS Nano, 2021, 15, 13240-13248.	14.6	38
56	Characterization of Bi5Nb3O15 by refinement of neutron diffraction pattern, acid treatment and reaction of the acid-treated product with n-alkylamines. Journal of Solid State Chemistry, 2007, 180, 2517-2524.	2.9	35
57	Kaolinite-Pyridine Intercalation Compound derived from Hydrated Kaolinite. Clays and Clay Minerals, 1989, 37, 143-150.	1.3	32
58	Luminescence of Tris(2,2â€˜-bipyridine)ruthenium(II) Cations ([Ru(bpy)3]2+) Adsorbed in Mesoporous Silicas Modified with Sulfonated Phenethyl Group. Journal of Physical Chemistry B, 2007, 111, 8836-8841.	2.6	32
59	Ce:(Y$_{1-x}$Lu$_{x}$)$_{3}$Al$_{5}$O$_{12}$ single-crystal phosphor plates for high-brightness white LEDs/LDs with high-color rendering (Ra > 90) and temperature stability. Materials Research Express, 2014, 1, 025041.	1.6	32
60	Unprecedentedly enhanced solar photocatalytic activity of a layered titanate simply integrated with TiO₂ nanoparticles. Physical Chemistry Chemical Physics, 2016, 18, 30920-30925.	2.8	32
61	Preparation of a novel organic derivative of the layered perovskite bearing HLaNb2O7Â·nH2O interlayer surface trifluoroacetate groups. Materials Research Bulletin, 2006, 41, 834-841.	5.2	31
62	Clay-Organic Nano-Composite. Journal of the Ceramic Society of Japan, 1992, 100, 413-416.	1.3	30
63	Competitive Association of Antibiotics with a Clay Mineral and Organoclay Derivatives as a Control of Their Lifetimes in the Environment. ACS Omega, 2018, 3, 15332-15342.	3.5	29
64	Effects of the Structure of Silica-Alumina Gel on the Hydrothermal Synthesis of Kaolinite. Clays and Clay Minerals, 1994, 42, 288-297.	1.3	29
65	Preparation of Transparent Bulk TiO₂/PMMA Hybrids with Improved Refractive Indices via an in Situ Polymerization Process Using TiO₂ Nanoparticles Bearing PMMA Chains Grown by Surface-Initiated Atom Transfer Radical Polymerization. ACS Applied Materials & Interfaces, 2016, 8, 34762-34769.	8.0	28
66	Preparation of AlN from poly(ethyliminoalane)via pyrolysis. Journal of Materials Chemistry, 1996, 6, 1055.	6.7	27
67	Conversion of Aurivillius Phases Bi2ANaNb3O12(A = Sr or Ca) into the Protonated Forms of Layered Perovskite via Acid Treatment. Chemistry of Materials, 2002, 14, 2946-2952.	6.7	27
68	Room-Temperature Rutile TiO₂ Nanoparticle Formation on Protonated Layered Titanate for High-Performance Heterojunction Creation. ACS Applied Materials & Interfaces, 2017, 9, 24538-24544.	8.0	27
69	Use of a clay mineral and its nonionic and cationic organoclay derivatives for the removal of pharmaceuticals from rural wastewater effluents. Chemosphere, 2020, 259, 127480.	8.2	27
70	Organic derivatives of the layered perovskite HLaNb2O7Â·xH2O with polyether chains on the interlayer surface: characterization, intercalation of LiClO4, and ionic conductivity. Journal of Materials Chemistry, 2008, 18, 3581.	6.7	26
71	Solid-State ³¹P Nuclear Magnetic Resonance Study of Interlayer Hydroxide Surfaces of Kaolinite Probed with an Interlayer Triethylphosphine Oxide Monolayer. Langmuir, 2018, 34, 12694-12701.	3.5	26
72	Continuous mesoporous Pd films with tunable pore sizes through polymeric micelle-assisted assembly. Nanoscale Horizons, 2019, 4, 960-968.	8.0	26

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73	The carbothermal reduction process of a montmorillonite-polyacrylonitrile intercalation compound. Journal of Materials Science, 1988, 23, 3572-3577.	3.7	25
74	Preparation of Thermoresponsive Nanosheets Exhibiting Phase Transitions in Water via Surface Modification of Layered Perovskite Nanosheets with Poly(N-isopropylacrylamide) (PNIPAAm). Chemistry Letters, 2015, 44, 203-205.	1.3	25
75	Synthesis of mesostructured manganese phosphonate and its promising energy storage application. Journal of Materials Chemistry A, 2017, 5, 23259-23266.	10.3	24
76	An acentric arrangement of p-nitroaniline molecules between the layers of kaoliniteâ€. Chemical Communications, 1999, , 2253-2254.	4.1	23
77	Epoxyâ€based hybrids using TiO₂ nanoparticles prepared via a nonâ€hydrolytic solâ€“gel route. Applied Organometallic Chemistry, 2013, 27, 673-677.	3.5	23
78	Preparation of Nb-doped TiO2 nanopowder by liquid-feed spray pyrolysis followed by ammonia annealing for tunable visible-light absorption and inhibition of photocatalytic activity. Ceramics International, 2020, 46, 1314-1322.	4.8	22
79	Single Atomâ€Based Nanoarchitectured Electrodes for Highâ€Performance Lithiumâ€“Sulfur Batteries. Advanced Materials Interfaces, 2021, 8, 2002159.	3.7	22
80	Pyrolysis of Poly(isopropyliminoalane) to Aluminum Nitride. Journal of the American Ceramic Society, 2000, 83, 2436-2440.	3.8	21
81	Effects of selective leaching of bismuth oxide sheets in triple-layered Aurivillius phases on their photocatalytic activities. Chemical Physics Letters, 2004, 393, 12-16.	2.6	21
82	Preparation of intercalation compounds between V2O5 gel and bipyridyl metal complexes. Materials Research Bulletin, 1991, 26, 309-315.	5.2	20
83	Conversion of a Precursor Derived from Cageâ€Type and Cyclic Molecular Building Blocks into Alâ€Siâ€Nâ€C Ceramic Composites. Journal of the American Ceramic Society, 2002, 85, 59-64.	3.8	20
84	Effects of nanostructured biosilica on rice plant mechanics. RSC Advances, 2017, 7, 13065-13071.	3.6	20
85	Modification of TiO₂ Nanoparticles with Oleyl Phosphate via Phase Transfer in the Tolueneâ€“Water System and Application of Modified Nanoparticles to Cyclo-Olefin-Polymer-Based Organicâ€“Inorganic Hybrid Films Exhibiting High Refractive Indices. ACS Applied Materials & Interfaces, 2017, 9, 1907-1912.	8.0	19
86	Layered perovskite nanosheets bearing fluoroalkoxy groups: their preparation and application in epoxy-based hybrids. RSC Advances, 2014, 4, 26932-26939.	3.6	18
87	Inorganic Janus nanosheets bearing two types of covalently bound organophosphonate groups via regioselective surface modification of K₄Nb₆O₁₇·3H₂O. Chemical Communications, 2018, 54, 5756-5759.	4.1	18
88	Preparation of Aluminum Nitride from Poly (isopropyliminoalane). Journal of the Ceramic Society of Japan, 1992, 100, 101-103.	1.3	17
89	Chemical processes employing inorganic layered compounds for inorganic and inorganicâ€“organic hybrid materials. Journal of the Ceramic Society of Japan, 2014, 122, 523-529.	1.1	17
90	Characterization of Aluminum Nitride from a Precursor Poly (isopropyliminoalane). Journal of the Ceramic Society of Japan, 1996, 104, 143-145.	1.3	16

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91	Hydrosilylation in the 2D interlayer space between inorganic layers: reaction between immobilized C˜...C groups on the interlayer surface of layered perovskite HLaNb2O7Â·xH2O and chlorohydrosilanes. Journal of Organometallic Chemistry, 2003, 686, 145-150.	1.8	16
92	Local environments and dynamics of hydrogen atoms in protonated forms of ion-exchangeable layered perovskites estimated by solid-state 1H NMR. Journal of Solid State Chemistry, 2006, 179, 3357-3364.	2.9	16
93	Preparation of water-dispersible TiO2 nanoparticles from titanium tetrachloride using urea hydrogen peroxide as an oxygen donor. CrystEngComm, 2013, 15, 10533.	2.6	16
94	Remarkable Charge Separation and Photocatalytic Efficiency Enhancement through Interconnection of TiO₂ Nanoparticles by Hydrothermal Treatment. Angewandte Chemie, 2016, 128, 3664-3669.	2.0	16
95	Enantioselective incorporation of dicarboxylate guests by octacalcium phosphate. Chemical Communications, 2017, 53, 6524-6527.	4.1	16
96	Interlayer grafting of kaolinite using trimethylphosphate. Dalton Transactions, 2019, 48, 11663-11673.	3.3	16
97	BiomoleculeâEAssisted Synthesis of Hierarchical Multilayered Boehmite and Alumina Nanosheets for Enhanced Molybdenum Adsorption. Chemistry - A European Journal, 2019, 25, 4843-4855.	3.3	16
98	Tuning down the environmental interests of organoclays for emerging pollutants: Pharmaceuticals in presence of electrolytes. Chemosphere, 2020, 239, 124730.	8.2	16
99	Characterization of Silanol Groups in Protonated Magadiite by 1H and 2H Solid-State Nuclear Magnetic Resonance. Clays and Clay Minerals, 2000, 48, 632-637.	1.3	15
100	Title is missing!. Journal of Sol-Gel Science and Technology, 2001, 22, 133-138.	2.4	15
101	Hydrolysis behavior of a precursor for bridged polysilsesquioxane 1,4-bis(triethoxysilyl)benzene: a 29Si NMR study. Journal of Sol-Gel Science and Technology, 2011, 57, 51-56.	2.4	15
102	Characterization of gas barrier silica coatings prepared from perhydropolysilazane films by vacuum ultraviolet irradiation. Journal of the Ceramic Society of Japan, 2013, 121, 215-218.	1.1	15
103	Improvement of Channel Mobility in 4H-SiC C-Face MOSFETs by H₂ Rich Wet Re-Oxidation. Materials Science Forum, 0, 778-780, 975-978.	0.3	15
104	Preparation of 3D open ordered mesoporous carbon single-crystals and their structural evolution during ammonia activation. Chemical Communications, 2018, 54, 9494-9497.	4.1	15
105	Synthesis of Kaolinite-Lactam Intercalation Compounds. Bulletin of the Chemical Society of Japan, 1986, 59, 2607-2610.	3.2	14
106	Immobilization of Photosynthetic Pigments into Silica-Surfactant Nanocomposite Films. Journal of Sol-Gel Science and Technology, 2000, 19, 543-547.	2.4	14
107	Preparation of Si-Al-N-C Ceramic Composites by Pyrolysis of Blended Precursors. Journal of the Ceramic Society of Japan, 2006, 114, 497-501.	1.3	14
108	Pyrolytic Organic-to-Inorganic Conversion of Precursors into AlN-A Review. Journal of the Ceramic Society of Japan, 2006, 114, 461-472.	1.3	14

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109	Thermal transformation of a kaoliniteâ€“poly(acrylamide) intercalation compound. Journal of Materials Chemistry, 1999, 9, 3081-3085.	6.7	13
110	Surface Modification of Titania Particles with Urushiol (Japanese Lacquer) and Its Application to the Preparation of Polymerâ€“Titania Hybrids. Chemistry Letters, 2007, 36, 856-857.	1.3	13
111	Preparation of Oleyl Phosphate-Modified TiO₂/Poly(methyl methacrylate) Hybrid Thin Films for Investigation of Their Optical Properties. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	13
112	Preparation and electrical properties of KCa2â€“xLaxNb3O10. Journal of Materials Chemistry, 1996, 6, 69-72.	6.7	12
113	Polymerization of Hydrolysis Products of Methyltriethoxysilane in Aqueous Solutions. Journal of the Ceramic Society of Japan, 1990, 98, 647-652.	1.3	11
114	Preparation and pyrolysis of a blended precursor possessing Ti?N and Al?N bonds. Applied Organometallic Chemistry, 2001, 15, 710-716.	3.5	11
115	Modification of perhydropolysilazane with aluminum hydride: Preparation of poly(aluminasilazane)s and their conversion into Siâ€“Alâ€“Nâ€“C ceramics. Journal of the European Ceramic Society, 2008, 28, 271-277.	5.7	11
116	Carbothermal reduction process of precursors derived from alkoxides for synthesis of boron-doped SiC powder. Journal of Materials Science Letters, 1989, 8, 944-946.	0.5	10
117	Silicon-29 NMR Study on the Initial Stage of the Co-Hydrolysis of Tetraethoxysilane and Methyltriethoxysilane. Materials Research Society Symposia Proceedings, 1992, 271, 231.	0.1	10
118	SYNTHESIS OF A LAMELLAR MESOSTRUCTURED ALUMINOPHOSPHATE. Phosphorus Research Bulletin, 1996, 6, 205-208.	0.6	10
119	Preparation of a Hybrid Preceramic Precursor for Al-Si-C-N Nanocomposites via a Molecular Building Block Approach. Chemistry Letters, 1998, 27, 191-192.	1.3	10
120	Preparation and Comparative Stability of a Kaolinite-Tetrabutylphosphonium Bromide Intercalation Compound for Heat and Solvent Treatments. Langmuir, 2019, 35, 13553-13561.	3.5	10
121	Preparation of Silicon Carbide and Aluminum Silicon Carbide from a Montmorillonite-Polyacrylonitrile Intercalation Compound by Carbothermal Reduction. Journal of the American Ceramic Society, 1988, 71, C-325-C-327.	3.8	9
122	Preparation of a nanocomposite consisting of a siloxane network and perovskite-related nanosheets via a solâ€“gel process. Science and Technology of Advanced Materials, 2006, 7, 446-450.	6.1	9
123	Improvement of Dielectric Properties on Deposited SiO2Caused by Stress Relaxation with Thermal Annealing. Japanese Journal of Applied Physics, 2009, 48, 05DB03.	1.5	9
124	Variation of Chemical Vapor Deposited SiO$_{2}$ Density Due to Generation and Shrinkage of Open Space During Thermal Annealing. Japanese Journal of Applied Physics, 2012, 51, 021101.	1.5	9
125	Intercalation of triethylphosphine oxide bearing a phosphoryl group into Dionâ€“Jacobson-type ion-exchangeable layered perovskites. Dalton Transactions, 2015, 44, 3002-3008.	3.3	9
126	The Rare-Earth Dependence on the Solid Solution Formation and Electrical Properties of KCa_{2-<i>x</i>}R_{<i>x</i>}Nb₃O₁₀ (R=Nd, Sm, Gd and Ce). Journal of the Ceramic Society of Japan, 1997, 105, 284-287.		

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127	Organic-to-Inorganic Conversion Process of a Cage-Type AlN Precursor Poly(ethyliminoalane). Journal of the Ceramic Society of Japan, 2006, 114, 563-566.	1.3	8
128	Pyrolytic conversion of an Alï£¿Siï£¿Nï£¿C precursor prepared via hydrosilylation between [Me(H)SiNH]4 and [HAlN(allyl)]m[HAlN(ethyl)]n. Applied Organometallic Chemistry, 2006, 20, 527-534.	3.5	8
129	Suppression of Leakage Current of Deposited SiO₂ with Bandgap Increasing by High Temperature Annealing. ECS Transactions, 2009, 19, 403-413.	0.5	8
130	Photoreduction Of Methylviologen In The Interlayers Of Some Layered Titanates And Niobates. Materials Research Society Symposia Proceedings, 1991, 233, 169.	0.1	7
131	Preparation of Stoichiometric and Nonstoichiometric Magnesium Titanate Spinels. Journal of the Ceramic Society of Japan, 1997, 105, 101-105.	1.3	7
132	Synthesis of reduced layered titanoniobates KTi1â^'xNb1+xO5. Materials Letters, 1999, 39, 184-187.	2.6	7
133	Intercalation of Î±,Ï‰-Diaminoalkanes in the Interlayer Space of the Protonated Form of the Layered Perovskite H1.8Bi0.2Sr0.8Ta2O7. Chemistry Letters, 2006, 35, 1292-1293.	1.3	7
134	Preparation of Î±-Zirconium Phosphate from Fluorozirconate and Phosphoric Acid by Liquid-phase Deposition. Chemistry Letters, 2012, 41, 555-557.	1.3	7
135	Effect of the graft density of cellulose diacetate-modified layered perovskite nanosheets on mechanical properties of the transparent organicâ€“inorganic hybrids bearing covalent bonds at the interface. Cellulose, 2017, 24, 5463-5473.	4.9	7
136	Distribution Control-Oriented Intercalation of a Cationic Metal Complex into Layered Silicates Modified with Organosulfonic-Acid Moieties. Langmuir, 2018, 34, 4762-4773.	3.5	7
137	Surface Modification of Layered Perovskite Nanosheets with a Phosphorus Coupling Reagent in a Biphasic System. Langmuir, 2019, 35, 6594-6601.	3.5	7
138	Preparation of Titanium Nitride (TiN1-x-yCxOy) from Ti(OPri)4-Triethanolamine Condensation Product by Pyrolysis. Materials Research Society Symposia Proceedings, 1988, 121, 575.	0.1	6
139	Pyrolytic conversion of precursors prepared in Ti(NMe2)4-diamine systems. Applied Organometallic Chemistry, 1998, 12, 787-792.	3.5	6
140	The relationship between structural variation and electrical properties in the spinel MgV2â^'xTixO4 (0) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.6	6
141	Pyrolytic Conversion of the Cage-Type Precursors into AlN. Key Engineering Materials, 1998, 159-160, 77-82.	0.4	6
142	Preparation and pyrolysis of poly(allyl iminoalane-co-ethyl iminoalane)s [HAlN(allyl)]m[HAlNEt]n. Journal of Organometallic Chemistry, 2006, 691, 4289-4296.	1.8	6
143	Microstructural behavior of Î³-Fe2O3 formation in reactions between layered iron oxychloride and sodium n-pentoxide. Solid State Sciences, 2013, 19, 156-161.	3.2	6
144	Crystallization behavior of cubic boron nitride from an amorphous BN precursor via high-pressure, high-temperature treatment with controlled water addition. Journal of the European Ceramic Society, 2016, 36, 3565-3569.	5.7	6

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145	Synthesis of La_{1-x}M_xTiO₃(M = Na, K; 0 â‰¤ x â‰¤ 0.4) and the electrical properties. Phase Transitions, 1993, 41, 137-141.	1.3	5
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