

# Yoshio Sakka

## List of Publications by Year in descending order

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617  
papers

19,221  
citations

17440

63  
h-index

27406

106  
g-index

628  
all docs

628  
docs citations

628  
times ranked

16316  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green synthesis, structure feature and energy transfer of yellow-emitting (Y,Gd) <sub>2</sub> O <sub>2</sub> SO <sub>4</sub> :Dy phosphors. Luminescence, 2022, 37, 199-207.	2.9	4
2	Fabrication of Textured Porous Ti <sub>3</sub> SiC <sub>2</sub> by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. Materials Transactions, 2022, 63, 133-140.	1.2	3
3	Auto-programmed synthesis of metallic aerogels: Core-shell Cu@Fe@Ni aerogels for efficient oxygen evolution reaction. Nano Energy, 2021, 81, 105644.	16.0	50
4	Elastic isotropy originating from heterogeneous interlayer elastic deformation in a Ti <sub>3</sub> SiC <sub>2</sub> MAX phase with a nanolayered crystal structure. Journal of the European Ceramic Society, 2021, 41, 2278-2289.	5.7	7
5	Comparative Investigation on Upconversion Luminescence Properties of Lu <sub>2</sub> O <sub>3</sub> :Er/Yb and Lu <sub>2</sub> O <sub>2</sub> S:Er/Yb Phosphors. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100014.	1.8	3
6	Production of crystal-oriented lanthanum silicate oxyapatite ceramics with anisotropic electrical conductivity and thermal expansion. Open Ceramics, 2021, 6, 100100.	2.0	3
7	Fabrication of Textured Porous Ti <sub>3</sub> SiC <sub>2</sub> by Slip Casting under High Magnetic Field and Microstructural Evolution through High Temperature Deformation. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2021, 85, 256-263.	0.4	3
8	A mesoporous non-precious metal boride system: synthesis of mesoporous cobalt boride by strictly controlled chemical reduction. Chemical Science, 2020, 11, 791-796.	7.4	58
9	Amorphous Alloy Architectures in Pore Walls: Mesoporous Amorphous NiCoB Alloy Spheres with Controlled Compositions via a Chemical Reduction. ACS Nano, 2020, 14, 17224-17232.	14.6	46
10	New Development of Powder Processing under External Fields. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 47.	0.2	0
11	Fabrication Alumina Film with High Breakdown Field Strength by New Aerosol Gas Deposition Technology. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 220-223.	0.2	0
12	Orientation Dependence of Plastic Deformation Behavior and Fracture Energy Absorption Mechanism around Vickers Indentation of Textured Ti <sub>3</sub> SiC <sub>2</sub> Sintered Body. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2020, 67, 607-614.	0.2	1
13	Fabrication of Ceramics with Highly Controlled Microstructures by Advanced Fine Powder Processing. KONA Powder and Particle Journal, 2019, 36, 114-128.	1.7	7
14	Significantly improved photoluminescence of the green-emitting <sup>2+</sup> Eu phosphor via surface coating of TiO <sub>2</sub> . Journal of the American Ceramic Society, 2019, 102, 294-302.	3.8	5
15	Controlled Surface for Enhanced Luminescence Quantum Yields of Silicon Nanocrystals. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2019, 66, 145-157.	0.2	1
16	Pulsed electrodischarged pressure sintering and flash sintering, a review. Materials Today: Proceedings, 2019, 16, 14-24.	1.8	7
17	Transparent magneto-optical Ho <sub>2</sub> O <sub>3</sub> ceramics: Role of self-reactive resultant oxyfluoride additive and investigation of vacuum sintering kinetics. Ceramics International, 2019, 45, 14761-14767.	4.8	33
18	Heterocoagulation and SPS sintering of sulfonitric-treated CNT and 8YZ nanopowders. Journal of Asian Ceramic Societies, 2019, 7, 238-246.	2.3	4

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19	Preparation of Double-Shelled Fluorescent Silicon Nanocrystals and Fabrication of Its Thin Layer by Electrophoretic Deposition Process. <i>Materials Transactions</i> , 2019, 60, 49-54.	1.2	0
20	Photoluminescent and scintillant properties of highly transparent [(Y <sub>1-x</sub> Gd <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> ] (x = 0 and 0.4) ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4773-4780.		
21	Development of Laser Optical Elements by Spark Plasma Sintering Technique. <i>The Review of Laser Engineering</i> , 2019, 47, 448.	0.0	0
22	Effect of texture on oxidation resistance of Ti <sub>3</sub> AlC <sub>2</sub> . <i>Journal of the European Ceramic Society</i> , 2018, 38, 3417-3423.	5.7	34
23	Inversion domain network stabilization and spinel phase suppression in ZnO. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2616-2626.	3.8	9
24	Distribution of carbon contamination in oxide ceramics occurring during spark-plasma-sintering (SPS) processing: II - Effect of SPS and loading temperatures. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2596-2604.	5.7	62
25	Photoluminescence efficiency significantly enhanced by surface modification of SiO <sub>2</sub> coating on β-sialon:Eu <sup>2+</sup> phosphor particle. <i>Journal of Alloys and Compounds</i> , 2018, 741, 454-458.	5.5	7
26	Stabilization of the high-temperature phase and total conductivity of yttrium-doped lanthanum germanate oxyapatite. <i>Journal of the Ceramic Society of Japan</i> , 2018, 126, 91-98.	1.1	3
27	Distribution of carbon contamination in MgAl <sub>2</sub> O <sub>4</sub> spinel occurring during spark-plasma-sintering (SPS) processing: I - Effect of heating rate and post-annealing. <i>Journal of the European Ceramic Society</i> , 2018, 38, 2588-2595.	5.7	43
28	Transparent ultrafine Yb <sub>3</sub> :Y <sub>2</sub> O <sub>3</sub> laser ceramics fabricated by spark plasma sintering. <i>Journal of the American Ceramic Society</i> , 2018, 101, 694-702.	3.8	37
29	Inherent anisotropy in transition metal diborides and microstructure/property tailoring in ultra-high temperature ceramics - A review. <i>Journal of the European Ceramic Society</i> , 2018, 38, 371-389.	5.7	89
30	Preparation of Double-shelled Fluorescent Silicon Nanocrystals and Fabrication of Its Thin Layer by Electrophoretic Deposition Process. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018, 65, 108-113.	0.2	0
31	Influence of the porosity caused by incomplete sintering on the mechanical behaviour of lanthanum silicate oxyapatite. <i>Ceramics International</i> , 2018, 44, 14348-14354.	4.8	6
32	Fabrication and Mechanical Properties of Textured Ti <sub>3</sub> SiC <sub>2</sub> Systems Using Commercial Powder. <i>Materials Transactions</i> , 2018, 59, 829-834.	1.2	10
33	Fabrication of Ceramics With Highly Controlled Microstructures by Advanced Powder Processing. , 2018, , 801-807.		0
34	Dense lanthanum silicate oxyapatite ceramics obtained by uniaxial pressing and slip casting. <i>Science of Sintering</i> , 2018, 50, 433-443.	1.4	0
35	High Performance of Ceramics and Manufacturing Process Innovation. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2018, 65, 457.	0.2	0
36	Hydrothermal crystallization of a Ln <sub>2</sub> (OH) <sub>4</sub> SO <sub>4</sub> ·nH <sub>2</sub> O layered compound for a wide range of Ln (Ln = La-Dy), thermolysis, and facile transformation into oxysulfate and oxysulfide phosphors. <i>RSC Advances</i> , 2017, 7, 13331-13339.	3.6	31

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37	Inversion domain boundaries in Mn and Al dual-doped ZnO: Atomic structure and electronic properties. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4252-4262.	3.8	17
38	Photocatalytic growth of Ag nanocrystals on hydrothermally synthesized multiphase TiO <sub>2</sub> /reduced graphene oxide (rGO) nanocomposites and their SERS performance. <i>Applied Surface Science</i> , 2017, 423, 1-12.	6.1	32
39	Yellow-emitting (Tb <sup>1-x</sup> Ce <sup>x</sup> ) <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> phosphor powder and ceramic (O <sub>2</sub> x 0.05): Phase evolution, photoluminescence, and the process of energy transfer. <i>Ceramics International</i> , 2017, 43, 8163-8170.	4.8	14
40	Dispersion and structural evolution of multi-walled carbon nanotubes in ZrB <sub>2</sub> matrix. <i>Ceramics International</i> , 2017, 43, 10533-10539.	4.8	4
41	Interphase coordination design in carbamate-siloxane/vaterite composite microparticles towards tuning ion-releasing properties. <i>Advanced Powder Technology</i> , 2017, 28, 1349-1355.	4.1	4
42	Intensity of sulfonitric treatment on multiwall carbon nanotubes. <i>Chemical Physics Letters</i> , 2017, 689, 135-141.	2.6	21
43	Preparation of carbamate-containing vaterite particles for strontium removal in wastewater treatment. <i>Journal of Asian Ceramic Societies</i> , 2017, 5, 364-369.	2.3	6
44	EDTA-assisted phase conversion synthesis of (Gd <sub>0.95</sub> RE <sub>0.05</sub> )PO <sub>4</sub> nanowires (RE = Eu, Tb) and investigation of photoluminescence. <i>Science and Technology of Advanced Materials</i> , 2017, 18, 447-457.	6.1	10
45	High-temperature strength and plastic deformation behavior of niobium diboride consolidated by spark plasma sintering. <i>Journal of the American Ceramic Society</i> , 2017, 100, 5295-5305.	3.8	22
46	Effect of texture microstructure on tribological properties of tailored Ti <sub>3</sub> AlC <sub>2</sub> ceramic. <i>Journal of Advanced Ceramics</i> , 2017, 6, 120-128.	17.4	25
47	Ultra-high elevated temperature strength of TiB <sub>2</sub> -based ceramics consolidated by spark plasma sintering. <i>Journal of the European Ceramic Society</i> , 2017, 37, 393-397.	5.7	51
48	Fabrication and Mechanical Properties of Textured Ti <sub>3</sub> SiC <sub>2</sub> Systems Using Commercial Powders. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 552-557.	0.2	0
49	Possibility of Low-Temperature High-Strain-Rate Superplasticity in Fine-Grained Ceramic Materials. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 515-522.	0.2	0
50	Spark Plasma Sintering of Highly Transparent Hydroxyapatite Ceramics. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 547-551.	0.2	12
51	Effects of Pretreatment of Source Powder Mixture on Aerosol Gas Deposition Film Synthesis and Luminescence. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2017, 64, 558-562.	0.2	1
52	Development of powder processing under external fields. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 793.	0.2	0
53	Preparation of Gallium Stannate Dense Sintered Body Using SPS Method. <i>Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2016, 63, 986-989.	0.2	0
54	Synthesis of crystallographically oriented olivine aggregates using colloidal processing in a strong magnetic field. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 689-706.	0.8	2

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55	Electrophoretic fabrication of a-b plane oriented La <sub>2</sub> NiO <sub>4</sub> cathode onto electrolyte in strong magnetic field for low-temperature operating solid oxide fuel cell. Journal of the European Ceramic Society, 2016, 36, 4077-4082.	5.7	19
56	High-temperature Strength of Boron Suboxide Ceramic Consolidated by Spark Plasma Sintering. Journal of the American Ceramic Society, 2016, 99, 2769-2777.	3.8	13
57	Triaxial Crystalline Orientation of MgTi <sub>2</sub> O <sub>5</sub> Achieved Using a Strong Magnetic Field and Geometric Effect. Journal of the American Ceramic Society, 2016, 99, 1852-1854.	3.8	7
58	High-strength B <sub>4</sub> C-TaB <sub>2</sub> Eutectic Composites Obtained via <i>In Situ</i> by Spark Plasma Sintering. Journal of the American Ceramic Society, 2016, 99, 2436-2441.	3.8	24
59	Synthesis of iron oxide nanoparticles with different morphologies by precipitation method with and without chitosan addition. Journal of the Ceramic Society of Japan, 2016, 124, 489-494.	1.1	12
60	Microstructural analysis and thermoelectric properties of Sn-Al co-doped ZnO ceramics. AIP Conference Proceedings, 2016, , .	0.4	6
61	Prevention of thermal- and moisture-induced degradation of the photoluminescence properties of the Sr <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> :Eu <sup>2+</sup> red phosphor by thermal post-treatment in N <sub>2</sub> -H <sub>2</sub> . Physical Chemistry Chemical Physics, 2016, 18, 12494-12504.	2.8	36
62	Flash spark plasma sintering of ultrafine yttria-stabilized zirconia ceramics. Scripta Materialia, 2016, 121, 32-36.	5.2	46
63	Surface modification of multiwall carbon nanotubes by sulfonitric treatment. Applied Surface Science, 2016, 379, 264-269.	6.1	89
64	Electrophoretic deposition for obtaining dense lanthanum silicate oxyapatite (LSO). Ceramics International, 2016, 42, 19283-19288.	4.8	11
65	Columnar and DVC-structured thermal barrier coatings deposited by suspension plasma spray: high-temperature stability and their corrosion resistance to the molten salt. Ceramics International, 2016, 42, 16822-16832.	4.8	20
66	Development of an electrochemical impedance analysis program based on the expanded measurement model. Journal of the Ceramic Society of Japan, 2016, 124, 943-949.	1.1	18
67	Sintering characteristics and thermoelectric properties of Mn&ndash;Al co-doped ZnO ceramics. Journal of the Ceramic Society of Japan, 2016, 124, 515-522.	1.1	22
68	High temperature flexural strength in monolithic boron carbide ceramic obtained from two different raw powders by spark plasma sintering. Journal of the Ceramic Society of Japan, 2016, 124, 587-592.	1.1	13
69	Low-temperature spark plasma sintering of alumina by using SiC molding set. Journal of the Ceramic Society of Japan, 2016, 124, 1141-1145.	1.1	12
70	Effects of Processing Parameters on the Deposition of Yttria Partially Stabilized Zirconia Coating During Suspension Plasma Spray. Journal of the American Ceramic Society, 2016, 99, 3546-3555.	3.8	22
71	Highly Segmented Thermal Barrier Coatings Deposited by Suspension Plasma Spray: Effects of Spray Process on Microstructure. Journal of Thermal Spray Technology, 2016, 25, 1638-1649.	3.1	13
72	Fabrication and Mechanical Properties of Textured Ti <sub>3</sub> SiC <sub>2</sub> MAX Phase Systems. Funtai Oyobi Fummatsumu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 970-975.	0.2	2

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73	Dispersion and Reinforcing Mechanism of Carbon Nanotubes in a Ceramic Material. Funtai Oyobi Fumatsu Yakini/Journal of the Japan Society of Powder and Powder Metallurgy, 2016, 63, 955-964.	0.2	2
74	Fabrication of Dense Nanostructured Bulk Ceramics by Means of Spark-Plasma-Sintering (SPS) Processing. Materials Science Forum, 2016, 838-839, 225-230.	0.3	1
75	Reduction in sintering temperature for flash-sintering of yttria by nickel cation-doping. Acta Materialia, 2016, 106, 344-352.	7.9	64
76	Magnetic field alignment in highly concentrated suspensions for gelcasting process. Ceramics International, 2016, 42, 294-301.	4.8	6
77	Hardness and toughness control of brittle boron suboxide ceramics by consolidation of star-shaped particles by spark plasma sintering. Ceramics International, 2016, 42, 3525-3530.	4.8	13
78	Densification kinetics during isothermal sintering of 8YSZ. Journal of the European Ceramic Society, 2016, 36, 1269-1275.	5.7	22
79	Improved galvanic replacement growth of Ag microstructures on Cu micro-grid for enhanced SERS detection of organic molecules. Materials Science and Engineering C, 2016, 61, 97-104.	7.3	13
80	Influence of pre- and post-annealing on discoloration of MgAl <sub>2</sub> O <sub>4</sub> spinel fabricated by spark-plasma-sintering (SPS). Journal of the European Ceramic Society, 2016, 36, 2961-2968.	5.7	49
81	High-strength TiB <sub>2</sub> /TaC ceramic composites prepared using reactive spark plasma consolidation. Ceramics International, 2016, 42, 1298-1306.	4.8	48
82	Fabrication, microstructure and properties of in situ synthesized B <sub>4</sub> C-NbB <sub>2</sub> eutectic composites by spark plasma sintering. Journal of the Ceramic Society of Japan, 2015, 123, 33-37.	1.1	20
83	Deflocculation and stabilization of Ti <sub>3</sub> SiC <sub>2</sub> ceramic powder in gelcasting process. Journal of the Ceramic Society of Japan, 2015, 123, 1010-1017.	1.1	12
84	Consolidation of B <sub>4</sub> C-VB <sub>2</sub> eutectic ceramics by spark plasma sintering. Journal of the Ceramic Society of Japan, 2015, 123, 1051-1054.	1.1	9
85	Sinterable powder fabrication of lanthanum silicate oxyapatite based on solid-state reaction method. Journal of the Ceramic Society of Japan, 2015, 123, 274-279.	1.1	8
86	Nano ZrO <sub>2</sub> -TiN composites with high strength and conductivity. Journal of the Ceramic Society of Japan, 2015, 123, 86-89.	1.1	6
87	Assessment of carbon contamination in MgAl <sub>2</sub> O <sub>4</sub> spinel during spark-plasma-sintering (SPS) processing. Journal of the Ceramic Society of Japan, 2015, 123, 983-988.	1.1	37
88	Effects of High Magnetic Fields on Thermal Convection Using Feeble Magnetic Conductive Aqueous Solutions. Bulletin of the Chemical Society of Japan, 2015, 88, 1404-1409.	3.2	0
89	Synthesis of Multilayered Star-Shaped B <sub>6</sub> O Particles Using the Seed-Mediated Growth Method. Journal of the American Ceramic Society, 2015, 98, 3635-3638.	3.8	14
90	Fabrication of (111)-oriented Tetragonal BaTiO <sub>3</sub> Ceramics by an Electrophoretic Deposition in a High Magnetic Field. Transactions of the Materials Research Society of Japan, 2015, 40, 223-226.	0.2	8

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91	Fabrication and Characterization of Transparent (Y <sub>0.98</sub> xTb <sub>0.02</sub> Eu <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> Ceramics with Color-Tailorable Emission. <i>Journal of the American Ceramic Society</i> , 2015, 98, 3877-3883.	3.8	13
92	Recent progress in advanced optical materials based on gadolinium aluminate garnet (Gd <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> ). <i>Science and Technology of Advanced Materials</i> , 2015, 16, 014902.	6.1	90
93	High-temperature reactive spark plasma consolidation of TiB <sub>2</sub> -NbC ceramic composites. <i>Ceramics International</i> , 2015, 41, 10828-10834.	4.8	52
94	Processing and enhanced piezoelectric properties of highly oriented compositionally modified Pb(Zr,Ti)O <sub>3</sub> ceramics fabricated by magnetic alignment. <i>Applied Physics Express</i> , 2015, 8, 041501.	2.4	8
95	Consolidation of B4C-TaB <sub>2</sub> eutectic composites by spark plasma sintering. <i>Journal of Asian Ceramic Societies</i> , 2015, 3, 369-372.	2.3	18
96	Influence of Spark Plasma Sintering (SPS) Conditions on Transmission of MgAl <sub>2</sub> O <sub>4</sub> Spinel. <i>Journal of the American Ceramic Society</i> , 2015, 98, 378-385.	3.8	44
97	Controlled Synthesis of Layered Rare-Earth Hydroxide Nanosheets Leading to Highly Transparent (Y <sub>0.95</sub> Eu <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 1413-1422.	3.8	32
98	Facile and green production of aqueous graphene dispersions for biomedical applications. <i>Nanoscale</i> , 2015, 7, 6436-6443.	5.6	114
99	Highly anisotropic single crystal-like La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> ceramic produced by combined magnetic field alignment and templated grain growth. <i>Journal of the European Ceramic Society</i> , 2015, 35, 1771-1776.	5.7	20
100	Densification, microstructure evolution and mechanical properties of WC doped HfB <sub>2</sub> -SiC ceramics. <i>Journal of the European Ceramic Society</i> , 2015, 35, 2707-2714.	5.7	37
101	Photoluminescent and cathodoluminescent performances of Tb <sup>3+</sup> in Lu <sup>3+</sup> -stabilized gadolinium aluminate garnet solid-solutions of [(Gd <sub>1-x</sub> Lu <sub>x</sub> ) <sub>1-y</sub> Tb <sub>y</sub> ] <sub>3</sub> Al <sub>5</sub> O <sub>12</sub> . <i>RSC Advances</i> , 2015, 5, 59686-59695.	3.6	17
102	Effects of high magnetic fields on thermal convection of conductive aqueous solution. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 077301.	1.5	2
103	One-step freezing temperature crystallization of layered rare-earth hydroxide (Ln <sub>2</sub> (OH) <sub>5</sub> NO <sub>3</sub> ·nH <sub>2</sub> O) nanosheets for a wide spectrum of Ln (Ln = Pr, Er, and Y), anion exchange with fluorine and sulfate, and microscopic coordination probed via photoluminescence. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3428-3437.	5.5	50
104	Influence of the crystal structure on the physical properties of monoclinic ZrO <sub>2</sub> nanocrystals. <i>Nano Structures Nano Objects</i> , 2015, 1, 1-6.	3.5	3
105	45S5 Bioglass-MWCNT composite: processing and bioactivity. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 199.	3.6	26
106	Reduced thermal degradation of the red-emitting Sr <sub>2</sub> Si <sub>5</sub> N <sub>8</sub> :Eu <sup>2+</sup> phosphor via thermal treatment in nitrogen. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7642-7651.	5.5	60
107	Room-temperature synthesis of Bi <sub>4</sub> Ge <sub>3</sub> O <sub>12</sub> from aqueous solution. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 06FJ03.	1.5	7
108	Effects of Gd Substitution and Optical Properties of Highly Transparent (Y <sub>0.95</sub> xGd <sub>x</sub> Eu <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2480-2487.	3.8	31

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109	Research and Development of the Coprecipitation Process for Lanthanum Germanate Oxyapatite. Journal of the American Ceramic Society, 2015, 98, 66-70.	3.8	6
110	Synthesis of Highly Photocatalytic TiO <sub>2</sub> Microflowers Based on Solvothermal Approach Using N,N-Dimethylformamide. Journal of Nanoscience and Nanotechnology, 2015, 15, 4747-4751.	0.9	18
111	Spectroscopic study of the discoloration of transparent MgAl <sub>2</sub> O <sub>4</sub> spinel fabricated by spark-plasma-sintering (SPS) processing. Acta Materialia, 2015, 84, 9-19.	7.9	88
112	Sinterable Powder Fabrication and the Oxygen-ion Conductivity of Lanthanum Silicate Oxyapatite. Journal of the Society of Powder Technology, Japan, 2015, 52, 648-657.	0.1	0
113	Fabrication of Textured Ti <sub>2</sub> AlN Ceramic by Slip Casting in a Strong Magnetic Field and Spark Plasma Sintering. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2014, 61, 538-543.	0.2	6
114	Challenges of nanostructuring and functional properties for selected bulk materials obtained by reactive spark plasma sintering. Japanese Journal of Applied Physics, 2014, 53, 05FB22.	1.5	9
115	Recent advances in understanding the reinforcing ability and mechanism of carbon nanotubes in ceramic matrix composites. Science and Technology of Advanced Materials, 2014, 15, 064902.	6.1	73
116	Tens of micron-sized unilamellar nanosheets of Y/Eu layered rare-earth hydroxide: efficient exfoliation via fast anion exchange and their self-assembly into oriented oxide film with enhanced photoluminescence. Science and Technology of Advanced Materials, 2014, 15, 014203.	6.1	42
117	<i>In Situ</i> Observation of Diamagnetic Fluid Flow in High Magnetic Fields. Key Engineering Materials, 2014, 616, 188-193.	0.4	1
118	Phosphor Deposits of $\beta$ -Sialon:Eu <sup>2+</sup> Mixed with SnO <sub>2</sub> Nanoparticles Fabricated by the Electrophoretic Deposition (EPD) Process. Materials, 2014, 7, 3623-3633.	2.9	11
119	Reductant-Free Colloidal Synthesis of Near-IR Emitting Germanium Nanocrystals: Role of Primary Amine. Journal of Nanoscience and Nanotechnology, 2014, 14, 2204-2210.	0.9	5
120	Trends in electronic structures and structural properties of MAX phases: a first-principles study on M <sub>2</sub> AlC (M = Sc, Ti, Cr, Zr, Nb, Mo, Hf, or Ta), M <sub>2</sub> AlN, and hypothetical M <sub>2</sub> AlB phases. Journal of Physics Condensed Matter, 2014, 26, 505503.	1.8	116
121	Facile and green synthesis of (La <sub>0.95</sub> Eu <sub>0.05</sub> ) <sub>2</sub> O <sub>3</sub> S red phosphors with sulfate-ion pillared layered hydroxides as a new type of precursor: controlled hydrothermal processing, phase evolution and photoluminescence. Science and Technology of Advanced Materials, 2014, 15, 014204.	6.1	23
122	Effective Use of Mesoporous Silica Filler: Comparative Study on Thermal Stability and Transparency of Silicone Rubbers Loaded with Various Kinds of Silica Particles. European Journal of Inorganic Chemistry, 2014, 2014, 2773-2778.	2.0	24
123	Microwave Sintering of Ti <sub>3</sub> Si <sub>2</sub> (AlC) <sub>2</sub> C <sub>16</sub> S <sub>2</sub> Ceramic. Journal of the American Ceramic Society, 2014, 97, 2731-2735.		
124	Hybrid White Light Emitting Diode Based on Silicon Nanocrystals. Advanced Functional Materials, 2014, 24, 7151-7160.	14.9	63
125	Particle processing technology. Science and Technology of Advanced Materials, 2014, 15, 010201.	6.1	0
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