Rong Tu

List of Publications by Year
in descending order

292 papers	3,501 citations	201674 27 h-index	330143 37 g-index
303 all docs	303 docs citations	303 times ranked	3024 citing authors

#	ARTICLE	IF	CITATIONS
1	Field assisted sintering of dense Al-substituted cubic phase Li7La3Zr2O12 solid electrolytes. Journal of Power Sources, 2014, 268, 960-964.	7.8	151
2	Effect of lithium ion concentration on the microstructure evolution and its association with the ionic conductivity of cubic garnet-type nominal Li7Al0.25La3Zr2O12 solid electrolytes. Solid State Ionics, 2016, 284, 53-60.	2.7	60
3	Phase Equilibria, Microstructure, and High-Temperature Strength of TiC-Added Mo-Si-B Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 1112-1123.	2.2	53
4	Preparation of ZrB2-SiC composites by arc melting and their properties. Journal of the Ceramic Society of Japan, 2008, 116, 431-435.	1.1	45
5	Fabrication of transparent SiO2 glass by pressureless sintering and spark plasma sintering. Ceramics International, 2012, 38, 2673-2678.	4.8	45
6	3D derived N-doped carbon matrix from 2D ZIF-L as an enhanced stable catalyst for chemical fixation. Microporous and Mesoporous Materials, 2019, 285, 80-88.	4.4	45
7	Seedâ€Free Solidâ€State Growth of Large Leadâ€Free Piezoelectric Single Crystals: (Na_{1/2}K_{1/2})NbO₃. Journal of the American Ceramic Society, 2015, 98, 2988-2996.	3.8	43
8	Spark plasma sintering of Al2O3â€"cBN composites facilitated by Ni nanoparticle precipitation on cBN powder by rotary chemical vapor deposition. Journal of the European Ceramic Society, 2011, 31, 2083-2087.	5.7	41
9	Highâ€Speed Preparation of <111>â€•and <110>â€Oriented Î²â€SiC Films by Laser Chemical Vapor Deposition. Journal of the American Ceramic Society, 2014, 97, 952-958.	3.8	41
10	Rapid Synthesis of Yttria-Partially-Stabilized Zirconia Films by Metal-Organic Chemical Vapor Deposition. Materials Transactions, 2002, 43, 2354-2356.	1.2	39
11	Highâ€Speed Epitaxial Growth of Î²â€<scp><scp>SiC</scp></scp> Film on <scp><scp>Si</scp></scp>(111) Single Crystal by Laser Chemical Vapor Deposition. Journal of the American Ceramic Society, 2012, 95, 2782-2784.	3.8	38
12	Preparation of directionally solidified TiB2â€"TiC eutectic composites by a floating zone method. Materials Letters, 2006, 60, 839-843.	2.6	37
13	Preparation of SiOC nanocomposite films by laser chemical vapor deposition. Journal of the European Ceramic Society, 2016, 36, 403-409.	5.7	37
14	Compositional regions of single phases at 1800Â°C in Mo-rich Moâ€"Siâ€"B ternary system. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 552, 179-188.	5.6	36
15	Preparation of carbon nanotube by rotary CVD on Ni nano-particle precipitated cBN using nickelocene as a precursor. Materials Letters, 2011, 65, 367-370.	2.6	35
16	Growth Mechanism and Defects of <111>â€Oriented Î²â€SiC Films Deposited by Laser Chemical Vapor Deposition. Journal of the American Ceramic Society, 2015, 98, 236-241.	3.8	35
17	Chemical Vapor Deposition Mediated Phase Engineering for 2D Transition Metal Dichalcogenides: Strategies and Applications. Small Science, 2022, 2, 2100047.	9.9	35
18	Suppression of carbon contamination in SPSed CaF2 transparent ceramics by Mo foil. Journal of the European Ceramic Society, 2017, 37, 4103-4107.	5.7	34

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19	Crystal structure of the high-temperature paraelectric phase in barium titanate BaTi2O5. Applied Physics Letters, 2005, 87, 101909.	3.3	33
20	Low-temperature deposition of Î±-Al2O3 films by laser chemical vapor deposition using a diode laser. Applied Surface Science, 2010, 256, 3906-3911.	6.1	33
21	Preparation of Ni-precipitated hBN powder by rotary chemical vapor deposition and its consolidation by spark plasma sintering. Journal of Alloys and Compounds, 2010, 502, 371-375.	5.5	33
22	Densification, microstructure and mechanical properties of SiO2â€“cBN composites by spark plasma sintering. Ceramics International, 2012, 38, 351-356.	4.8	30
23	Effect of microstructure on HER catalytic properties of MoS2 vertically standing nanosheets. Journal of Alloys and Compounds, 2018, 747, 100-108.	5.5	30
24	Laser in-situ synthesizing Ti5Si3/Al3Ni2 reinforced Al3Ti/NiTi composite coatings: Microstructure, mechanical characteristics and oxidation behavior. Optics and Laser Technology, 2019, 109, 99-109.	4.6	30
25	High-temperature ultra-strength of dual-phase Re0.5MoNbW(TaC)0.5 high-entropy alloy matrix composite. Journal of Materials Science and Technology, 2021, 84, 1-9.	10.7	30
26	Preparation of Directionally Solidified B₄C–TiB₂–SiC Ternary Eutectic Composites by a Floating Zone Method and Their Properties. Materials Transactions, 2005, 46, 2067-2072.	1.2	28
27	Synthesis of SiC/SiO2 coreâ€“shell powder by rotary chemical vapor deposition and its consolidation by spark plasma sintering. Ceramics International, 2013, 39, 2605-2610.	4.8	28
28	Dielectric Properties of Poly- and Single-Crystalline BaTi₂O₅. Materials Transactions, 2006, 47, 2898-2903.	1.2	27
29	High-speed deposition of titanium carbide coatings by laser-assisted metalâ€“organic CVD. Materials Research Bulletin, 2013, 48, 2766-2770.	5.2	27
30	Preparation of cubic Li7La3Zr2O12 solid electrolyte using a nano-sized coreâ€“shell structured precursor. Journal of Alloys and Compounds, 2015, 644, 793-798.	5.5	27
31	High-speed deposition of yttria stabilized zirconia by MOCVD. Surface and Coatings Technology, 2004, 187, 238-244.	4.8	26
32	Experimental study of Mossâ€“T2, Mossâ€“Mo3Siâ€“T2, and Mo3Siâ€“T2 eutectic reactions in Mo-rich Moâ€“Siâ€“B alloys. Journal of Alloys and Compounds, 2014, 594, 52-59.	5.5	26
33	Effect of microstructure on mechanical, electrical and thermal properties of B4C-HfB2 composites prepared by arc melting. Journal of the European Ceramic Society, 2016, 36, 3929-3937.	5.7	26
34	Laser chemical vapor deposition of SiC films with CO2 laser. Journal of Alloys and Compounds, 2010, 502, 238-242.	5.5	25
35	Thermal and Electrical Transport Properties of Zr-Based Bulk Metallic Glassy Alloys with High Glass-Forming Ability. Materials Transactions, 2012, 53, 1721-1725.	1.2	25
36	Microstructure and dielectric response of (1Â1Â1)-oriented tetragonal BaTiO₃ thick films prepared by laser chemical vapor deposition. Journal of Asian Ceramic Societies, 2013, 1, 197-201.	2.3	25

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37	Ultraâ€Fast Fabrication of <110>â€Oriented Î²â€SiC Wafers by Halide <scp>CVD</scp>. Journal of the American Ceramic Society, 2016, 99, 84-88.	3.8	25
38	Preparation of TiB₂–SiC Eutectic Composite by an Arc-Melted Method and Its Characterization. Materials Transactions, 2005, 46, 2504-2508.	1.2	24
39	Rod-like eutectic structure of arc-melted TiB2â€"TiC N1âˆ' composite. Journal of the European Ceramic Society, 2014, 34, 2089-2094.	5.7	24
40	Oxidation Behavior of ZrB₂â€"SiC Composites at Low Pressures. Journal of the American Ceramic Society, 2015, 98, 214-222.	3.8	24
41	Structure and electrical properties of BCZT ceramics derived from microwave-assisted solâ€"gel-hydrothermal synthesized powders. Scientific Reports, 2020, 10, 20352.	3.3	24
42	Preparation of TiC-TiB₂-SiC Ternary Eutectic Composites by Arc-Melting and Their Characterizations. Materials Transactions, 2006, 47, 1193-1197.	1.2	23
43	Preparation of Hydroxyapatite and Calcium Phosphate Films by MOCVD. Materials Transactions, 2007, 48, 3149-3153.	1.2	23
44	Microstructure and mechanical properties of B4Câ€"HfB2â€"SiC ternary eutectic composites prepared by arc melting. Journal of the European Ceramic Society, 2016, 36, 959-966.	5.7	23
45	Preparation of highly oriented Î²-SiC bulks by halide laser chemical vapor deposition. Journal of the European Ceramic Society, 2017, 37, 509-515.	5.7	23
46	Mechanical, electrical and thermal properties of ZrC-ZrB2-SiC ternary eutectic composites prepared by arc melting. Journal of the European Ceramic Society, 2018, 38, 3759-3766.	5.7	23
47	Structural and electrical properties of BCZT ceramics synthesized by solâ€"gel process. Journal of Materials Science: Materials in Electronics, 2018, 29, 7592-7599.	2.2	23
48	MoO3 nanoparticle formation on zeolitic imidazolate framework-8 by rotary chemical vapor deposition. Microporous and Mesoporous Materials, 2018, 267, 185-191.	4.4	23
49	Microstructure and Preferred Orientation of Titanium Nitride Films Prepared by Laser CVD. Materials Transactions, 2009, 50, 2028-2034.	1.2	22
50	Amorphous-like nanocrystalline Î³-Al2O3 films prepared by MOCVD. Surface and Coatings Technology, 2010, 204, 2170-2174.	4.8	22
51	Highly (100)-oriented CeO2 films prepared on amorphous substrates by laser chemical vapor deposition. Thin Solid Films, 2010, 519, 1-4.	1.8	22
52	Fast synthesis of high-quality large-area graphene by laser CVD. Applied Surface Science, 2018, 445, 204-210.	6.1	22
53	Thermal Cycle Resistance of Yttria Stabilized Zirconia Coatings Prepared by MO-CVD. Materials Transactions, 2005, 46, 1318-1323.	1.2	21
54	Effect of Ta Content on Phase Structure and Electrical Properties of Piezoelectric Leadâ€Free [(Na_{0.535}K_{0.480})_{0.942}Li_{0.058}](Nb_{1âˆ'<i>x</i>}Ta<sub><i>x</i></sub Ceramics. Journal of the American Ceramic Society, 2008, 91, 3440-3443.	3.8	21

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55	Optimization of Energy Storage Properties in Lead-Free Barium Titanate-Based Ceramics <i>via</i> B-Site Defect Dipole Engineering. ACS Sustainable Chemistry and Engineering, 2022, 10, 2930-2937.	6.7	21
56	Hydroxyapatite Formation on CaTiO₃ Film Prepared by Metal-Organic Chemical Vapor Deposition. Materials Transactions, 2007, 48, 1505-1510.	1.2	20
57	High-speed preparation of c-axis-oriented YBa2Cu3O7-Î´ film by laser chemical vapor deposition. Materials Letters, 2010, 64, 102-104.	2.6	20
58	Preparation of MagnÃ©li phases of Ti27O52 and Ti6O11 films by laser chemical vapor deposition. Thin Solid Films, 2010, 518, 6927-6932.	1.8	20
59	High-speed epitaxial growth of BaTi2O5 thick films and their in-plane orientations. Applied Surface Science, 2012, 259, 178-185.	6.1	20
60	Preparation of rutile TiO2 thin films by laser chemical vapor deposition method. Journal of Advanced Ceramics, 2013, 2, 162-166.	17.4	20
61	Spark plasma sintering of Al2O3â€“Ni nanocomposites using Ni nanoparticles produced by rotary chemical vapour deposition. Journal of the European Ceramic Society, 2014, 34, 435-441.	5.7	20
62	Transparent highly oriented 3C-SiC bulks by halide laser CVD. Journal of the European Ceramic Society, 2018, 38, 3057-3063.	5.7	20
63	Preparation of highly (100)-oriented CeO2 films on polycrystalline Al2O3 substrates by laser chemical vapor deposition. Surface and Coatings Technology, 2010, 204, 3619-3622.	4.8	19
64	Fast epitaxial growth of a-axis- and c-axis-oriented YBa2Cu3O7âˆ’ films on (1 0 0) LaAlO3 substrate by laser chemical vapor deposition. Applied Surface Science, 2011, 257, 4317-4320.	6.1	19
65	Densification of SiO2â€“cBN composites by using Ni nanoparticle and SiO2 nanolayer coated cBN powder. Ceramics International, 2012, 38, 4961-4966.	4.8	19
66	Enhancement of adhesive strength of hydroxyapatite films on Tiâ€“29Nbâ€“13Taâ€“4.6Zr by surface morphology control. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 18, 232-239.	3.1	19
67	Enhanced thermoelectric performance of xMoS2â€“TiS2 nanocomposites. Journal of Alloys and Compounds, 2016, 666, 346-351.	5.5	19
68	Microstructural evolution and mechanical behavior of W-Si-C multi-phase composite prepared by arc-melting. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 28-36.	5.6	19
69	Construction of macroporous magnesium phosphate-based bone cement with sustained drug release. Materials and Design, 2021, 200, 109466.	7.0	19
70	Instantaneous photoinitiated synthesis and rapid pulsed photothermal treatment of three-dimensional nanostructured TiO₂ thin films through pulsed light irradiation. Journal of Materials Research, 2017, 32, 1701-1709.	2.6	18
71	Effect of CH4/SiCl4 ratio on the composition and microstructure of ã€ˆ110ã€‰-oriented Î²-SiC bulks by halide CVD. Journal of the European Ceramic Society, 2017, 37, 1217-1223.	5.7	18
72	Structural and electrical properties of BCZT ceramics synthesized by solâ€“gel-hydrothermal process at low temperature. Journal of Materials Science: Materials in Electronics, 2019, 30, 12197-12203.	2.2	18

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73	Influence of spark plasma sintering conditions on microstructure, carbon contamination, and transmittance of CaF2 ceramics. Journal of the European Ceramic Society, 2022, 42, 245-257.	5.7	18
74	Preparation Conditions of CaTiO₃ Film by Metal-Organic Chemical Vapor Deposition. Materials Transactions, 2006, 47, 1386-1390.	1.2	17
75	Evaluation of Grainâ€Boundary Conduction of Dense AlNâ€“SiC Solid Solution by Scanning Nonlinear Dielectric Microscopy. Journal of the American Ceramic Society, 2010, 93, 4026-4029.	3.8	17
76	High-speed epitaxial growth of (100)-oriented CeO2 film on r-cut sapphire by laser chemical vapor deposition. Surface and Coatings Technology, 2011, 205, 4079-4082.	4.8	17
77	Preparation of (020)-oriented BaTi2O5 thick films and their dielectric responses. Journal of the European Ceramic Society, 2012, 32, 2459-2467.	5.7	17
78	Electrically conducting graphene/SiC(111) composite coatings by laser chemical vapor deposition. Carbon, 2018, 139, 76-84.	10.3	17
79	Laser CVD growth of graphene/SiC/Si nano-matrix heterostructure with improved electrochemical capacitance and cycle stability. Carbon, 2021, 175, 377-386.	10.3	17
80	Hydroxyapatite Formation on Ca-P-O Coating Prepared by MOCVD. Materials Transactions, 2008, 49, 1848-1852.	1.2	16
81	SiCâ€“SiO2 nanocomposite films prepared by laser CVD using tetraethyl orthosilicate and acetylene as precursors. Materials Letters, 2010, 64, 2151-2154.	2.6	16
82	Highâ€speed heteroepitaxial growth of 3Câ€SiC (111) thick films on Si (110) by laser chemical vapor deposition. Journal of the American Ceramic Society, 2018, 101, 1048-1057.	3.8	16
83	Morphology and mechanical behavior of diamond films fabricated by IH-MPCVD. RSC Advances, 2018, 8, 16061-16068.	3.6	16
84	Ferroelectric BaTi2O5 thin film prepared by laser ablation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 304-307.	2.1	15
85	Dome-like and dense SiC-SiO2 nanocomposite films synthesized by laser chemical vapor deposition using CO2 laser. Surface and Coatings Technology, 2011, 205, 2818-2822.	4.8	15
86	Dielectric properties of Ba4Ti13O30 film prepared by laser chemical vapor deposition. Journal of Materials Science, 2012, 47, 1559-1561.	3.7	15
87	Quantitative evaluation of the oxidation behavior of ZrB2-15Âvol.%SiC at a low oxygen partial pressure. Vacuum, 2013, 88, 98-102.	3.5	15
88	Effect of laser power on orientation and microstructure of TiO2 films prepared by laser chemical vapor deposition method. Materials Letters, 2013, 93, 179-182.	2.6	15
89	Sintering behavior, microstructure, and thermal conductivity of dense AlN ceramics processed by spark plasma sintering with Y2O3â€“CaOâ€“B additives. Ceramics International, 2015, 41, 1897-1901.	4.8	15
90	Fineâ€grained 3Câ€SiC thick films prepared via hybrid laser chemical vapor deposition. Journal of the American Ceramic Society, 2019, 102, 5668-5678.	3.8	15

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91	Dielectric Property of Polycrystalline ZrO₂ Substituted BaTi₂O₅ Prepared by Arc-Melting. Materials Transactions, 2008, 49, 120-124.	1.2	14
92	Orientation control of .ALPHA.-Al2O3 films prepared by laser chemical vapor deposition using a diode laser. Journal of the Ceramic Society of Japan, 2010, 118, 366-369.	1.1	14
93	Influence of laser power on the orientation and microstructure of CeO2 films deposited on Hastelloy C276 tapes by laser chemical vapor deposition. Applied Surface Science, 2010, 256, 6395-6398.	6.1	14
94	High-speed growth of YBa₂Cu₃O_{7 âˆ’ Î´}film with high critical temperature on MgO single crystal substrate by laser chemical vapor deposition. Superconductor Science and Technology, 2010, 23, 125010.	3.5	14
95	High Hardness and Ductile Mosaic <scp><scp>SiC</scp></scp>/<scp><scp>SiO</scp></scp>₂ Composite by Spark Plasma Sintering. Journal of the American Ceramic Society, 2014, 97, 681-683.	3.8	14
96	Preparation of Rutile and Anatase TiO₂ Films by MOCVD. Materials Science Forum, 2005, 475-479, 1219-1222.	0.3	13
97	High Temperature Stability of Anatase Films Prepared by MOCVD. Materials Transactions, 2008, 49, 2040-2046.	1.2	13
98	Thermoelectric Properties of Sr-Ru-O Compounds Prepared by Spark Plasma Sintering. Materials Transactions, 2008, 49, 600-604.	1.2	13
99	Preparation of silicon oxycarbide films by laser ablation of SiO/3Câ€“SiC multicomponent targets. Applied Surface Science, 2010, 257, 1703-1706.	6.1	13
100	Preparation of Baâ€“Tiâ€“O films by laser chemical vapor deposition. Materials Chemistry and Physics, 2012, 133, 398-404.	4.0	13
101	Crystal growth of BaTi2O5 by the floating zone method. Journal of Crystal Growth, 2013, 384, 66-70.	1.5	13
102	Comparison of CVD-deposited Ni and dry-blended Ni powder as sintering aids for TiN powder. Journal of the European Ceramic Society, 2014, 34, 1955-1961.	5.7	13
103	Long-Range Ordered Structure of Ti-B-C-N in a TiB2 -TiC x N1âˆ’x Eutectic Composite. Journal of the American Ceramic Society, 2014, 97, 2423-2426.	3.8	13
104	Transfer-free growth of graphene on Al2O3 (0001) using a three-step method. Carbon, 2018, 131, 10-17.	10.3	13
105	Nanoforest of 3Câ€“SiC/graphene by laser chemical vapor deposition with high electrochemical performance. Journal of Power Sources, 2019, 444, 227308.	7.8	13
106	Epitaxial growth and electrical performance of graphene/3Câ€“SiC films by laser CVD. Journal of Alloys and Compounds, 2020, 826, 154198.	5.5	13
107	Thickness-dependent microstructural properties of heteroepitaxial (00.1) CuFeO2 thin films on (00.1) sapphire by pulsed laser deposition. Journal of Applied Physics, 2020, 127, 065301.	2.5	13
108	Precipitation of Ni nanoparticle on Al₂O₃ powders by novel rotary chemical vapor deposition. Journal of the Ceramic Society of Japan, 2013, 121, 226-229.	1.1	12

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109	Structural study of Î²â€SiC(001) films on Si(001) by laser chemical vapor deposition. Journal of the American Ceramic Society, 2017, 100, 1634-1641.	3.8	12
110	Effect of solution concentration on low-temperature synthesis of BCZT powders by solâ€“gel-hydrothermal method. Journal of Sol-Gel Science and Technology, 2020, 94, 205-212.	2.4	12
111	Transmittance enhancement of spark plasma sintered CaF2 ceramics by preheating commercial powder. Journal of the European Ceramic Society, 2021, 41, 4609-4617.	5.7	12
112	Structural and optical properties of BaTi2O5 thin films prepared by pulsed laser deposition at different substrate temperatures. Materials Chemistry and Physics, 2009, 113, 130-134.	4.0	11
113	Preparation of polycrystalline BaTi2O5 ferroelectric ceramics. Materials Letters, 2009, 63, 2280-2282.	2.6	11
114	Effect of NH3 on the preparation of TiNx films by laser CVD using tetrakis-diethylamido-titanium. Journal of Alloys and Compounds, 2009, 485, 451-455.	5.5	11
115	Apatite formation behavior on bio-ceramic films prepared by MOCVD. Journal of the Ceramic Society of Japan, 2009, 117, 461-465.	1.1	11
116	Fabrication of Hydroxyapatite Film on Ti-29Nb-13Ta-4.6Zr Using a MOCVD Technique. Materials Transactions, 2010, 51, 2277-2283.	1.2	11
117	Thermoelectric properties of Srâ€“Irâ€“O compounds prepared by spark plasma sintering. Journal of Alloys and Compounds, 2010, 491, 441-446.	5.5	11
118	High Temperature Mechanical Properties of Dense <scp><scp>AlNâ€“SiC</scp></scp> Ceramics Fabricated by Spark Plasma Sintering Without Sintering Additives. Journal of the American Ceramic Society, 2011, 94, 4150-4153.	3.8	11
119	Apatite formation in Hanks' solution on Î²-Ca2SiO4 films prepared by MOCVD. Surface and Coatings Technology, 2011, 206, 172-177.	4.8	11
120	Fast preparation of (111)â€oriented Î²â€SiC films without carbon formation by laser chemical vapor deposition from hexamethyldisilane without H₂. Journal of the American Ceramic Society, 2018, 101, 1471-1478.	3.8	11
121	Structural Controlling of Highly-Oriented Polycrystal 3C-SiC Bulks via Halide CVD. Materials, 2019, 12, 390.	2.9	11
122	Laser-induced growth of large-area epitaxial graphene with low sheet resistance on 4H-SiC(0001). Applied Surface Science, 2020, 514, 145938.	6.1	11
123	Dielectric Properties of Poly- and Single-Crystalline Ba_{1−<I>x</I>}Sr<I>_x</I>Ti₂O₅. Materials Transactions, 2007, 48, 984-989.	1.2	10
124	Dielectric properties of (010) oriented polycrystalline Ta2O5 substituted BaTi2O5 prepared by arc melting. Journal of the Ceramic Society of Japan, 2008, 116, 436-440.	1.1	10
125	Preparation of polycrystalline BaTi2O5 by pressureless sintering. Materials Research Bulletin, 2009, 44, 468-471.	5.2	10
126	Thermoelectricity of CaIrO3 ceramics prepared by spark plasma sintering. Journal of the Ceramic Society of Japan, 2009, 117, 466-469.	1.1	10

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127	Evaluation of <scp>CVD</scp>â€Deposited <scp><scp>SiO</scp></scp>₂ as a Sintering Aid for Cubic Boron Nitride Consolidated with Alumina by Spark Plasma Sintering. Journal of the American Ceramic Society, 2012, 95, 2827-2832.	3.8	10
128	Preparation of Liâ€"Coâ€"O film by metal organic chemical vapor deposition. Journal of the Ceramic Society of Japan, 2013, 121, 406-410.	1.1	10
129	Spark Plasma Sintering and Characterization of WC-Co-cBN Composites. Key Engineering Materials, 0, 616, 194-198.	0.4	10
130	Preparation of Liâ€"Alâ€"O films by laser chemical vapor deposition. Materials Chemistry and Physics, 2014, 143, 1338-1343.	4.0	10
131	Energy-filtering-induced high power factor in PbS-nanoparticles-embedded TiS2. AIP Advances, 2015, 5, .	1.3	10
132	Elimination of double position domains (DPDs) in epitaxial ã€ˆ111ã€‰-3C-SiC on Si(111) by laser CVD. Applied Surface Science, 2017, 426, 662-666.	6.1	10
133	Morphological Evolution of Vertically Standing Molybdenum Disulfide Nanosheets by Chemical Vapor Deposition. Materials, 2018, 11, 631.	2.9	10
134	MoS2 coating on CoSx-embedded nitrogen-doped-carbon-nanosheets grown on carbon cloth for energy conversion. Journal of Alloys and Compounds, 2019, 806, 1276-1284.	5.5	10
135	One-step chemical vapor deposition fabrication of Ni@NiO@graphite nanoparticles for the oxygen evolution reaction of water splitting. RSC Advances, 2022, 12, 10496-10503.	3.6	10
136	Preparations of CaRuO₃ Body by Plasma Sintering and Its Thermoelectric Properties. Materials Transactions, 2007, 48, 1529-1533.	1.2	9
137	A. C. Impedance Analysis on b-axis Oriented Ba1-xSrxTi2O5 Prepared by an Arc-Melting Method. Journal of the Ceramic Society of Japan, 2007, 115, 648-653.	1.1	9
138	Thermoelectric Properties of Ca-Ir-O Compounds Prepared by Spark Plasma Sintering. Materials Transactions, 2009, 50, 853-858.	1.2	9
139	Phase Formation and Solidification Routes Near Mo-Mo₅SiB₂ Eutectic Point in Mo-Si-B System. Materials Transactions, 2010, 51, 1699-1704.	1.2	9
140	Microstructural Evolution of Mo-Si-B Ternary Alloys through Heat Treatment at 1800Â°C. Advanced Materials Research, 0, 278, 527-532.	0.3	9
141	Synergetic effect of Re alloying and SiC addition on strength and toughness of tungsten. Journal of Alloys and Compounds, 2018, 767, 1064-1071.	5.5	9
142	Growth of umbrella-like millimeter-scale single-crystalline graphene on liquid copper. Carbon, 2019, 150, 356-362.	10.3	9
143	Preparation of Pyrochlore Ca₂Ti₂O₆ by Metal-Organic Chemical Vapor Deposition. Materials Transactions, 2006, 47, 2603-2605.	1.2	8
144	Use of Post-heat Treatment to Obtain a 2H Solid Solution in Spark Plasma Sintering-Processed AlNâ€"SiC Mixtures. Journal of the American Ceramic Society, 2008, 91, 1548-1552.	3.8	8

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145	Indentation Deformation and Microcracking in Î²â€‹<scp><scp>Si</scp></scp>₃<scp><scp>N</scp></scp>₄â€Based Nanoceramic. Journal of the American Ceramic Society, 2012, 95, 1421-1428.	3.8	8
146	Effects of laser power on the growth of polycrystalline AlN films by laser chemical vapor deposition method. Surface and Coatings Technology, 2013, 232, 1-5.	4.8	8
147	Precipitation of Ni and NiO nanoparticle catalysts on zeolite and mesoporous silica by rotary chemical vapor deposition. Journal of the Ceramic Society of Japan, 2013, 121, 891-894.	1.1	8
148	Surface Modification of Silicon Carbide Powder with Silica Coating by Rotary Chemical Vapor Deposition. Key Engineering Materials, 0, 616, 232-236.	0.4	8
149	Stoichiometric controlling of boroncarbonitride thin films with using BN-C dual-targets. AIP Advances, 2015, 5, 047125.	1.3	8
150	Morphology controlling of ã€ˆ111ã€‰-3Câ€“SiC films by HMDS flow rate in LCVD. RSC Advances, 2019, 9, 2426-2430.	3.6	8
151	Growth of self-aligned single-crystal vanadium carbide nanosheets with a controllable thickness on a unique staked metal substrate. Applied Surface Science, 2020, 499, 143998.	6.1	8
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