

Ender Suvaci

List of Publications by Year in descending order

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65
papers

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citations

279798

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docs citations

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times ranked

2105
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#	ARTICLE	IF	CITATIONS
1	Templated Grain Growth of Textured Piezoelectric Ceramics. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2004, 29, 45-96.	12.3	513
2	Morphological control of particles. <i>Current Opinion in Colloid and Interface Science</i> , 2000, 5, 160-167.	7.4	137
3	Textured PMN ϵ -PT and PMN ϵ -PZT. <i>Journal of the American Ceramic Society</i> , 2008, 91, 929-933.	3.8	90
4	Critical Factors in the Templated Grain Growth of Textured Reaction ϵ -Bonded Alumina. <i>Journal of the American Ceramic Society</i> , 2000, 83, 2041-2048.	3.8	88
5	Formation mechanisms and morphological changes during the hydrothermal synthesis of BaTiO ₃ particles from a chemically modified, amorphous titanium (hydrous) oxide precursor. <i>Journal of the European Ceramic Society</i> , 2003, 23, 2153-2161.	5.7	71
6	Processing of textured zinc oxide varistors via templated grain growth. <i>Journal of the European Ceramic Society</i> , 2005, 25, 1663-1673.	5.7	65
7	Anisotropic mechanical and functional properties of graphene-based alumina matrix nanocomposites. <i>Journal of the European Ceramic Society</i> , 2016, 36, 2075-2086.	5.7	57
8	Voltammetric and electrochemical impedimetric behavior of silica-based gel electrolyte for valve-regulated lead-acid battery. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 2469-2479.	2.5	54
9	Anisotropic Sintering Shrinkage in Alumina Ceramics Containing Oriented Platelets. <i>Journal of the American Ceramic Society</i> , 2006, 89, 1972-1976.	3.8	53
10	Sintering, microstructure, mechanical, and antimicrobial properties of HAP ϵ -ZnO biocomposites. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 95B, 430-440.	3.4	53
11	Preparation of nanosized tin oxide (SnO ₂) powder by homogeneous precipitation. <i>Ceramics International</i> , 2007, 33, 537-542.	4.8	51
12	A comparative study on few-layer graphene production by exfoliation of different starting materials in a low boiling point solvent. <i>FlatChem</i> , 2017, 1, 74-88.	5.6	47
13	The role of viscosity on microstructure development and stain resistance in porcelain stoneware tiles. <i>Journal of the European Ceramic Society</i> , 2010, 30, 3071-3077.	5.7	41
14	Kinetics of template growth in alumina during the process of templated grain growth (TGG). <i>Acta Materialia</i> , 2001, 49, 2075-2081.	7.9	37
15	Phase development of barium titanate from chemically modified-amorphous titanium (hydrous) oxide precursor. <i>Journal of the European Ceramic Society</i> , 2002, 22, 809-815.	5.7	35
16	Organized growth of carbon nanotubes on Fe-doped alumina ceramic substrates. <i>Carbon</i> , 2012, 50, 3092-3095.	10.3	35
17	Solubility of blue CoAl ₂ O ₄ ceramic pigments in water and diethylene glycol media. <i>Ceramics International</i> , 2011, 37, 863-870.	4.8	34
18	Reaction-based Processing of Textured Alumina by Templated Grain Growth. <i>Journal of the European Ceramic Society</i> , 1999, 19, 2465-2474.	5.7	33

#	ARTICLE	IF	CITATIONS
19	Deaging of heat-treated iron-doped lead zirconate titanate ceramics. Applied Physics Letters, 2006, 89, 262908.	3.3	30
20	Fabrication of Functionally Graded SiAlON Ceramics by Tape Casting. Journal of the American Ceramic Society, 2006, 89, 3255-3257.	3.8	30
21	Crystallization Mechanism of Si_3N_4 "SiCN" Composite Ceramics Annealed in N_2 Atmosphere and Their Excellent EMW Absorption Properties. Journal of the American Ceramic Society, 2016, 99, 2672-2679.	3.8	30
22	The role of hydrothermal pathways in the evolution of the morphology of ZnO crystals. Ceramics International, 2016, 42, 15358-15366.	4.8	29
23	The Reaction-Bonded Aluminum Oxide Process: I, The Effect of Attrition Milling on the Solid-State Oxidation of Aluminum Powder. Journal of the American Ceramic Society, 2000, 83, 299-305.	3.8	24
24	Processing-structure-property relationship in rigid polyurethane foams. Journal of Applied Polymer Science, 2017, 134, .	2.6	23
25	The Role of Material Chemistry in Processing BaTiO ₃ in Aqueous Suspensions. Journal of the American Ceramic Society, 2006, 89, 1853-1860.	3.8	22
26	Role of organic additives on non-aqueous tape casting of SiAlON ceramics. Journal of the European Ceramic Society, 2011, 31, 167-173.	5.7	20
27	Chemical stability of KNbO ₃ , NaNbO ₃ , and $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ in aqueous medium. Journal of the American Ceramic Society, 2018, 101, 1074-1086.	3.8	20
28	Modeling Anisotropic Single Crystal Growth Kinetics in Liquid Phase Sintered $\hat{1}\pm\text{-Al}_2\text{O}_3$. Journal of Materials Science, 2000, 8, 257-267.	1.2	19
29	Microstructure-property relationship in textured ZnO-based varistors. Acta Materialia, 2010, 58, 4126-4136.	7.9	18
30	Effects of TiO ₂ , ZnO, and Fe ₃ O ₄ nanofillers on rheological behavior, microstructure, and reaction kinetics of rigid polyurethane foams. Journal of Applied Polymer Science, 2016, 133, .	2.6	17
31	Processing parameter effects on the reaction bonding of aluminum oxide process*. Journal of Materials Science, 1999, 34, 3249-3261.	3.7	16
32	Computational analysis on cymbal transducer. Chemical Engineering Communications, 2003, 190, 853-860.	2.6	16
33	Synthesis of Zn ₂ SnO ₄ powders via hydrothermal method for ceramic targets. Journal of the European Ceramic Society, 2015, 35, 3885-3892.	5.7	16
34	Relationship between heating atmosphere and copper foil impurities during graphene growth via low pressure chemical vapor deposition. Carbon, 2016, 109, 529-541.	10.3	16
35	Antimicrobial activity of designed undoped and doped MicNo-ZnO particles. Journal of Drug Delivery Science and Technology, 2018, 47, 309-321.	3.0	16
36	Hybrid processing and anisotropic sintering shrinkage in textured ZnO ceramics. Science and Technology of Advanced Materials, 2010, 11, 065006.	6.1	14

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37	Characterization of designed, transparent and conductive Al doped ZnO particles and their utilization in conductive polymer composites. Powder Technology, 2020, 374, 214-222.	4.2	11
38	Roles of CaO, MgO and SiO ₂ on crystallization and microstructure development in diopside-based glass-ceramic glazes under industrial fast-firing condition. Journal of the Australian Ceramic Society, 2017, 53, 75-81.	1.9	10
39	SINGLE CRYSTAL GROWTH AND TEXTURING OF LEAD-BASED PIEZOELECTRIC CERAMICS VIA TEMPLATED GRAIN GROWTH PROCESS. Functional Materials Letters, 2008, 01, 127-132.	1.2	9
40	Biocompatibility of designed MicNo-ZnO particles: Cytotoxicity, genotoxicity and phototoxicity in human skin keratinocyte cells. Toxicology in Vitro, 2018, 47, 238-248.	2.4	9
41	Electrophoretic deposition of nano-sized BaTiO ₃ . Journal of Materials Science, 2006, 41, 8196-8201.	3.7	8
42	Tailoring microstructure of polysulfone membranes via novel hexagonal ZnO particles to achieve improved filtration performance. Journal of Membrane Science, 2022, 651, 120462.	8.2	8
43	Investigation of the chemical stability of Zn ₂ SnO ₄ in aqueous media by using ICP-OES and TEM analyses. Materials Chemistry and Physics, 2020, 239, 122066.	4.0	7
44	Hydrothermal Synthesis. , 2021, , 59-68.		7
45	Seeding of the Reaction-Bonded Aluminum Oxide Process. Journal of the American Ceramic Society, 2001, 84, 657-659.	3.8	6
46	Stability of zircon pigments in water and diethylene glycol media: The case of turquoise Vâ€ZrSiO ₄ . Ceramics International, 2013, 39, 1909-1915.	4.8	6
47	The Reaction-Bonded Aluminum Oxide (RBAO) Process: II, The Solid-State Oxidation of RBAO Compacts. Journal of the American Ceramic Society, 2000, 83, 1845-1852.	3.8	5
48	Single crystal growth in PMN-PT and PMN-PZT. Journal of Materials Science, 2009, 44, 1757-1763.	3.7	5
49	Application of Homogeneously Precipitated Nanosized Fe-Doped Alumina Powders to Carbon Nanotube Growth. Journal of the American Ceramic Society, 2010, 93, 3732-3739.	3.8	5
50	Synthesis of anatase particles <i>via</i> morphological control of titanium glycerolate intermediate precursor. CrystEngComm, 2019, 21, 4250-4254.	2.6	5
51	Preparation and Fracture Behavior of Alumina Platelet Reinforced Alumina-Monazite Composites. Materials Transactions, 2002, 43, 3262-3265.	1.2	4
52	Hydrothermal synthesis of lead titanate and lead zirconate titanate electroceramic particles. Chemical Engineering Communications, 2003, 190, 843-852.	2.6	4
53	Texture development in Fe-doped alumina ceramics via templated grain growth and their application to carbon nanotube growth. Journal of the European Ceramic Society, 2013, 33, 1093-1100.	5.7	4
54	Synthesis of compositionally different multicomponent metal-oxide films (SnO ₂) _x (ZnO) _{1-x} (x =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.5	4

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55	Characterization of thick bismuth ferrite-lead titanate films processed by tape casting and templated grain growth. Journal of the European Ceramic Society, 2015, 35, 4453-4458.	5.7	4
56	Textured ZnO-Based Varistors via Templated Grain Growth. Key Engineering Materials, 2004, 264-268, 297-300.	0.4	3
57	Amorphous Films of Ternary Zinc and Tin Oxides for Transparent Electronics. Technical Physics Letters, 2018, 44, 984-987.	0.7	3
58	Synchrotron texture analysis of thick BiFeO ₃ -PbTiO ₃ layers synthesised by tape casting using Aurivillius and non-Aurivillius templates. , 2012, , .		2
59	Electric-field-induced phase switching in textured Ba-doped bismuth ferrite lead titanate. , 2013, , .		2
60	Synthesis of Nanosized Tin Oxide (SnO ₂) Particles via Homogeneous Precipitation. Key Engineering Materials, 2004, 264-268, 1205-1208.	0.4	1
61	Texture analysis of thick bismuth ferrite lead titanate layers. , 2014, , .		1
62	Electrochemical properties of ZnO anode materials with MicNo [®] morphology. International Journal of Applied Ceramic Technology, 2020, 17, 1882-1890.	2.1	1
63	Crystallographic and magnetic investigations of textured bismuth ferrite lead titanate layers. Materials Research Express, 2018, 5, 126103.	1.6	0
64	Texture analysis of thick bismuth ferrite lead titanate layers. , 2014, , .		0
65	Texture Development in Reaction-Bonded Alumina (Rbao) Ceramics Via Templated Grain Growth. Ceramic Engineering and Science Proceedings, 0, , 71-78.	0.1	0