Federica Bondioli

List of Publications by Year
in descending order

153 papers	4,966 citations	71061 41 h-index	128225 60 g-index
155 all docs	155 docs citations	155 times ranked	5702 citing authors

#	Article	IF	Citations
1	Self-cleaning and de-polluting stone surfaces: TiO 2 nanoparticles for limestone. Construction and Building Materials, 2012, 37, 51-57.	3.2	158
2	Durability of self-cleaning TiO2 coatings on fired clay brick faÃ§ades: Effects of UV exposure and wet & dry cycles. Building and Environment, 2014, 71, 193-203.	3.0	120
3	Syntheses of Fe2O3/Silica Red Inorganic Inclusion Pigments for Ceramic Applications. Materials Research Bulletin, 1998, 33, 723-729.	2.7	113
4	Conventional and Microwave-Hydrothermal Synthesis of TiO2 Nanopowders. Journal of the American Ceramic Society, 2005, 88, 2639-2641.	1.9	111
5	Self-cleaning materials on Architectural Heritage: Compatibility of photo-induced hydrophilicity of TiO2 coatings on stone surfaces. Journal of Cultural Heritage, 2013, 14, 1-7.	1.5	111
6	Enhancing the mechanical properties of porcelain stoneware tiles. Journal of the European Ceramic Society, 2001, 21, 785-793.	2.8	108
7	3D printing processes for photocurable polymeric materials: technologies, materials, and future trends. Journal of Applied Biomaterials and Functional Materials, 2018, 16, 151-160.	0.7	108
8	Highly porous PHB-based bioactive scaffolds for bone tissue engineering by in situ synthesis of hydroxyapatite. Materials Science and Engineering C, 2019, 100, 286-296.	3.8	96
9	Porous scaffolds of polycaprolactone reinforced with in situ generated hydroxyapatite for bone tissue engineering. Journal of Materials Science: Materials in Medicine, 2010, 21, 343-351.	1.7	93
10	Reaction Mechanism in Alumina/Chromia (Al₂O₃â€“Cr₂O₃) Solid Solutions Obtained by Coprecipitation. Journal of the American Ceramic Society, 2000, 83, 2036-2040.	1.9	89
11	Smart surfaces for architectural heritage: Preliminary results about the application of TiO2-based coatings on travertine. Journal of Cultural Heritage, 2012, 13, 204-209.	1.5	87
12	Epoxy-silica nanocomposites: Preparation, experimental characterization, and modeling. Journal of Applied Polymer Science, 2005, 97, 2382-2386.	1.3	86
13	Modeling of ceramic particles filled polymerâ€“matrix nanocomposites. Composites Science and Technology, 2006, 66, 1030-1037.	3.8	83
14	Microwaveâ€Hydrothermal Synthesis of Nanocrystalline Zirconia Powders. Journal of the American Ceramic Society, 2001, 84, 2728-2730.	1.9	82
15	Durability of nano-engineered TiO2 self-cleaning treatments on limestone. Construction and Building Materials, 2014, 65, 218-231.	3.2	78
16	Nonconventional Synthesis of Praseodymium-Doped Ceria by Flux Method. Chemistry of Materials, 2000, 12, 324-330.	3.2	75
17	Poly(îµ-caprolactone)-based nanocomposites: Influence of compatibilization on properties of poly(îµ-caprolactone)â€“silica nanocomposites. Composites Science and Technology, 2006, 66, 886-894.	3.8	70
18	Improving Epoxy Adhesives with Zirconia Nanoparticles. Composite Interfaces, 2010, 17, 873-892.	1.3	70

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19	Tensile characterization of basalt fiber rods and ropes: A first contribution. Construction and Building Materials, 2012, 34, 372-380.	3.2	70
20	PMMAâ€“titania nanocomposites: Properties and thermal degradation behaviour. Polymer Degradation and Stability, 2012, 97, 1325-1333.	2.7	65
21	Functionalization of ceramic tile surface by solâ€“gel technique. Journal of Colloid and Interface Science, 2009, 334, 195-201.	5.0	64
22	From the green color of eskolaite to the red color of ruby: an X-ray absorption spectroscopy study. Physics and Chemistry of Minerals, 2006, 32, 710-720.	0.3	63
23	Pullout behavior of polypropylene macro-synthetic fibers treated with nano-silica. Construction and Building Materials, 2015, 82, 39-44.	3.2	63
24	Synthesis of silica nanoparticles in a continuous-flow microwave reactor. Powder Technology, 2006, 167, 45-48.	2.1	61
25	Enhanced self-cleaning properties of N-doped TiO 2 coating for Cultural Heritage. Microchemical Journal, 2017, 133, 1-12.	2.3	61
26	Selfâ€€Cleaning and Antibacteric Ceramic Tile Surface. International Journal of Applied Ceramic Technology, 2013, 10, 949-956.	1.1	60
27	Nanosized CeO2 powders obtained by flux method. Materials Research Bulletin, 1999, 34, 2159-2166.	2.7	58
28	Synthesis and characterization of praseodymium-doped ceria powders by a microwave-assisted hydrothermal (MH) route. Journal of Materials Chemistry, 2005, 15, 1061.	6.7	58
29	Synthesis and characterization of nanosized ceria powders by microwaveâ€“hydrothermal method. Materials Research Bulletin, 2006, 41, 38-44.	2.7	57
30	Technological properties of glass-ceramic tiles obtained using rice husk ash as silica precursor. Ceramics International, 2013, 39, 5427-5435.	2.3	57
31	Study of the wettability behavior of stainless steel surfaces after ultrafast laser texturing. Surface and Coatings Technology, 2018, 352, 370-377.	2.2	56
32	Environmental assessment of a bottom-up hydrolytic synthesis of TiO₂ nanoparticles. Green Chemistry, 2015, 17, 518-531.	4.6	54
33	Photo-cured epoxy networks reinforced with TiO2 in-situ generated by means of non-hydrolytic solâ€“gel process. Polymer, 2012, 53, 283-290.	1.8	53
34	Effect of rice husk ash (RHA) in the synthesis of (Pr,Zr)SiO4 ceramic pigment. Journal of the European Ceramic Society, 2007, 27, 3483-3488.	2.8	52
35	Basalt fiber ropes and rods: Durability tests for their use in building engineering. Journal of Building Engineering, 2016, 5, 142-150.	1.6	51
36	Special Resins for Stereolithography: In Situ Generation of Silver Nanoparticles. Polymers, 2018, 10, 212.	2.0	49

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37	Lightweight hybrid organic-inorganic geopolymers obtained using polyurethane waste. Construction and Building Materials, 2018, 185, 285-292.	3.2	48
38	Highâ€density polyethylene reinforced with submicron titania particles. Polymer Engineering and Science, 2008, 48, 448-457.	1.5	45
39	Preparation, characterisation and computational study of poly(ïµ-caprolactone) based nanocomposites. Materials Science and Technology, 2004, 20, 1340-1344.	0.8	44
40	3D-Printing Nanocellulose-Poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) Biodegradable Composites by Fused Deposition Modeling. ACS Sustainable Chemistry and Engineering, 2020, 8, 10292-10302.	3.2	43
41	Microwave-Hydrothermal Synthesis and Hyperfine Characterization of Praseodymium-Doped Nanometric Zirconia Powders. Journal of the American Ceramic Society, 2005, 88, 633-638.	1.9	42
42	Acrylate-based silver nanocomposite by simultaneous polymerizationâ€“reduction approach via 3D stereolithography. Composites Communications, 2017, 6, 11-16.	3.3	41
43	Effects of nano-silica treatment on the flexural post cracking behaviour of polypropylene macro-synthetic fibre reinforced concrete. Mechanics Research Communications, 2018, 88, 12-18.	1.0	41
44	Influence of firing temperature on the color developed by a (Zr,V)SiO4 pigmented opaque ceramic glaze. Journal of the European Ceramic Society, 2007, 27, 179-184.	2.8	40
45	Characterization of Rice Husk Ash and Its Recycling as Quartz Substitute for the Production of Ceramic Glazes. Journal of the American Ceramic Society, 2010, 93, 121-126.	1.9	39
46	The Anorthite-Diopside System: Structural and Devitrification Study. Part II: Crystallinity Analysis by the Rietveld-RIR Method. Journal of the American Ceramic Society, 2005, 88, 3131-3136.	1.9	38
47	Synthesis of chromium containing pigments from chromium galvanic sludges. Journal of Hazardous Materials, 2008, 156, 466-471.	6.5	38
48	Effect of synthesis parameters on a hematiteâ€“silica red pigment obtained using a coprecipitation route. Dyes and Pigments, 2008, 77, 53-58.	2.0	37
49	Agricultural waste in the synthesis of coral ceramic pigment. Dyes and Pigments, 2012, 94, 207-211.	2.0	37
50	Recycling of Screen Glass Into New Traditional Ceramic Materials. International Journal of Applied Ceramic Technology, 2010, 7, 909-917.	1.1	36
51	Structure, Sintering, and Crystallization Kinetics of Alkalineâ€Earth Aluminosilicate Glassâ€“Ceramic Sealants for Solid Oxide Fuel Cells. Journal of the American Ceramic Society, 2010, 93, 830-837.	1.9	36
52	Densification of glass powders belonging to the CaOâ€“ZrO2â€“SiO2 system by microwave heating. Journal of the European Ceramic Society, 2000, 20, 177-183.	2.8	35
53	Improving the creep stability of high-density polyethylene with acicular titania nanoparticles. Journal of Applied Polymer Science, 2009, 112, 1045-1055.	1.3	35
54	Mechanical activation of raw materials in the synthesis of Fe2O3â€“ZrSiO4 inclusion pigment. Journal of the European Ceramic Society, 2012, 32, 643-647.	2.8	35

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55	Nano-TiO2 Coatings for Limestone: Which Sustainability for Cultural Heritage?. Coatings, 2015, 5, 232-245.	1.2	35
56	Functionalization of PVC by chitosan addition: Compound stability and tensile properties. Composites Part B: Engineering, 2018, 149, 240-247.	5.9	34
57	<scp>CoAl₂O₄</scp> Nano Pigment Obtained by Combustion Synthesis. International Journal of Applied Ceramic Technology, 2012, 9, 968-978.	1.1	33
58	Color in ceramic glazes: Analysis of pigment and opacifier grain size distribution effect by spectrophotometer. Journal of the European Ceramic Society, 2008, 28, 1777-1781.	2.8	32
59	Color prediction with simplified Kubelkaâ€“Munk model in glazes containing Fe2O3â€“ZrSiO4 coral pink pigments. Dyes and Pigments, 2013, 99, 1029-1035.	2.0	32
60	Crystallisation and microstructure of nephelineâ€“forsterite glass-ceramics. Ceramics International, 2013, 39, 2955-2966.	2.3	32
61	Poly(methyl methacrylate)-TiO2 nanocomposite obtained by non-hydrolytic solâ€“gel synthesis. Journal of Materials Science, 2011, 46, 6609-6617.	1.7	31
62	Synthesis and characterization of scratch-resistant hybrid coatings based on non-hydrolytic sol-gel ZrO2 nanoparticles. Progress in Organic Coatings, 2017, 103, 60-68.	1.9	31
63	Role of Praseodymium on Zirconia Phases Stabilization. Chemistry of Materials, 2001, 13, 4550-4554.	3.2	30
64	Rice Husk Ash (RHA) Recycling in Brick Manufacture: Effects on Physical and Microstructural Properties. Waste and Biomass Valorization, 2018, 9, 2529-2539.	1.8	30
65	TiO2â€“SiO2 hard coating on polycarbonate substrate by microwave assisted solâ€“gel technique. Journal of Sol-Gel Science and Technology, 2011, 58, 463-469.	1.1	29
66	Photocatalytic inactivation of Gram-positive and Gram-negative bacteria by reactive plasma processed nanocrystalline TiO2 powder. Current Applied Physics, 2013, 13, 510-516.	1.1	29
67	Advantages of Additive Manufacturing for Biomedical Applications of Polyhydroxyalkanoates. Bioengineering, 2021, 8, 29.	1.6	29
68	A new glassâ€“ceramic red pigment. Journal of the European Ceramic Society, 2004, 24, 3593-3601.	2.8	27
69	Colouring of opaque ceramic glaze with zircon pigments: Formulation with simplified Kubelkaâ€“Munk model. Journal of the European Ceramic Society, 2011, 31, 659-664.	2.8	27
70	Durability of SiO₂â€“TiO₂ Photocatalytic Coatings on Ceramic Tiles. International Journal of Applied Ceramic Technology, 2015, 12, 679-684.	1.1	27
71	Lightweight clay bricks manufactured by using locally available wine industry waste. Journal of Building Engineering, 2019, 26, 100892.	1.6	27
72	Poly(methyl methacrylate)â€“TiO2 nanocomposites obtained by non-hydrolytic solâ€“gel synthesis: the innovative tert-butyl alcohol route. Journal of Materials Science, 2012, 47, 7003-7012.	1.7	26

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73	Microwave-assisted nonaqueous solâ€“gel synthesis of highly crystalline magnetite nanocrystals. Materials Chemistry and Physics, 2014, 148, 117-124.	2.0	26
74	Synthesis of Zirconia Nanoparticles in a Continuousâ€Flow Microwave Reactor. Journal of the American Ceramic Society, 2008, 91, 3746-3748.	1.9	25
75	Color matching algorithms in ceramic tile production. Journal of the European Ceramic Society, 2006, 26, 311-316.	2.8	24
76	Colour in ceramic glazes: Efficiency of the Kubelkaâ€“Munk model in glazes with a black pigment and opacifier. Journal of the European Ceramic Society, 2009, 29, 2685-2690.	2.8	24
77	Characterizing thermal behavior of ceramic glaze containing nano-sized cobalt-aluminate pigment by hot stage microscopy. Thermochimica Acta, 2011, 521, 191-196.	1.2	24
78	Surface properties of new green building material after TiO2â€“SiO2 coatings deposition. Ceramics International, 2016, 42, 4866-4874.	2.3	24
79	Weathering resistance of PMMA/SiO2/ZrO2 hybrid coatings for sandstone conservation. Polymer Degradation and Stability, 2018, 147, 274-283.	2.7	24
80	Photoâ€Cured Epoxy Networks Functionalized With Fe₃O₄ Generated by Nonâ€hydrolytic Solâ€“Gel Process. Macromolecular Chemistry and Physics, 2013, 214, 508-516.	1.1	23
81	Preparation and characterization of EPDM rubber modified with in situ generated silica. Journal of Applied Polymer Science, 2013, 128, 2525-2532.	1.3	23
82	New Glass-Ceramic Inclusion Pigment. Journal of the American Ceramic Society, 2005, 88, 1070-1071.	1.9	22
83	Granite as flux in stoneware tile manufacturing. Journal of the European Ceramic Society, 2011, 31, 2057-2063.	2.8	22
84	Electrically conductive epoxy nanocomposites containing carbonaceous fillers and in-situ generated silver nanoparticles. EXPRESS Polymer Letters, 2013, 7, 673-682.	1.1	22
85	Epoxy nanocomposites functionalized with in situ generated magnetite nanocrystals: Microstructure, magnetic properties, interaction among magnetic particles. Polymer, 2015, 59, 278-289.	1.8	22
86	Photocatalytic self-cleaning TiO2 coatings on carbonatic stones. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	22
87	The structure of ZrO2phases and devitrification processes in a Caâ€“Zrâ€“Siâ€“O-based glass ceramic: a combined a-XRD and XAS study. Journal of Applied Crystallography, 2004, 37, 890-900.	1.9	21
88	EPDM rubber reinforced with titania generated by nonhydrolytic sol-gel process. Polymer Engineering and Science, 2014, 54, 2544-2552.	1.5	21
89	Environmental and human health assessment of life cycle of nanoTiO2 functionalized porcelain stoneware tile. Science of the Total Environment, 2017, 577, 113-121.	3.9	21
90	New biocomposite obtained using poly(3â€hydroxybutyrateâ€coâ€3â€hydroxyhexanoate) (PHBH) and microfibrillated cellulose. Journal of Applied Polymer Science, 2020, 137, 48953.	1.3	21

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91	Preparation and characterization of epoxy resins filled with submicron spherical zirconia particles. Polimery, 2006, 51, 794-798.	0.4	21
92	Developing porous diopside/hydroxyapatite bio-composite scaffolds via a combination of freeze-drying and coating process. Ceramics International, 2019, 45, 9025-9031.	2.3	19
93	Application of Zirconia in Dentistry: Biological, Mechanical and Optical Considerations. , 2011, , .		18
94	Epoxy resin modified with in situ generated metal oxides by means of solâ€“gel process. Journal of Applied Polymer Science, 2011, 122, 1792-1799.	1.3	17
95	Utilization of granodiorite in the production of porcelain stoneware tiles. Ceramics International, 2012, 38, 6267-6272.	2.3	17
96	Nonaqueous Solâ€“Gel Synthesis of Magnetic Iron Oxides Nanocrystals. Journal of the American Ceramic Society, 2013, 96, 3169-3175.	1.9	17
97	Thermal diffusivity of ZTA composites with different YSZ quantity. Journal of Alloys and Compounds, 2017, 695, 1859-1862.	2.8	17
98	Hyperfine Characterization of Pure and Doped Zircons. Journal of Solid State Chemistry, 2000, 150, 14-18.	1.4	16
99	Structural characterization and functional correlation of Fe3O4 nanocrystals obtained using 2-ethyl-1,3-hexanediol as innovative reactive solvent in non-hydrolytic sol-gel synthesis. Materials Chemistry and Physics, 2018, 207, 337-349.	2.0	16
100	Microwave â€“ Hydrothermal Synthesis of Nanocrystalline Pr - Doped Zirconia Powders at Pressures up to 8 MPa. Solid State Phenomena, 2003, 94, 193-196.	0.3	15
101	Double role of polyethylene glycol in the microwaves-assisted non-hydrolytic synthesis of nanometric TiO2: oxygen source and stabilizing agent. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	15
102	Epoxy resins reinforced with TiO₂ generated by nonhydrolytic solâ€“gel process. Journal of Applied Polymer Science, 2014, 131, .	1.3	15
103	Quantitative phase analysis and microstructure characterization of magnetite nanocrystals obtained by microwave assisted non-hydrolytic solâ€“gel synthesis. Materials Characterization, 2015, 100, 88-97.	1.9	15
104	Magnetite-epoxy nanocomposites obtained by the reactive suspension method: Microstructural, thermo-mechanical and magnetic properties. European Polymer Journal, 2017, 94, 354-365.	2.6	15
105	The application of microwaves in the synthesis of Ce0.9Pr0.1O2 nanostructured powders. Journal of Materials Chemistry, 2001, 11, 2620-2624.	6.7	13
106	Epoxy networks reinforced with TiO₂ generated by nonhydrolytic solâ€“gel process: A comparison between in situ and ex situ syntheses to obtain filled polymers. Polymer Engineering and Science, 2015, 55, 1689-1697.	1.5	13
107	Environmental Scanning Electron Microscopy (ESEM) Investigation of the Reaction Mechanism in PraseodymiumâĐoped Zircon. Journal of the American Ceramic Society, 2000, 83, 1518-1520.	1.9	12
108	Influence of in situ -generated silica nanoparticles on EPDM morphology, thermal, thermomechanical, and mechanical properties. Polymer Composites, 2015, 36, 825-833.	2.3	12

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109	Organic-inorganic nanocomposites prepared by reactive suspension method: investigation on filler/matrix interactions and their effect on the nanoparticles dispersion. Colloid and Polymer Science, 2017, 295, 695-701.	1.0	12
110	Energy Efficiency in the Microwave-Assisted Solid-State Synthesis of Cobalt Aluminate Pigment. Technologies, 2017, 5, 42.	3.0	12
111	Valorization of oat hull fiber from agri-food industrial waste as filler for poly(3-hydroxybutyrate-co-3-hydroxyhexanoate). Journal of Material Cycles and Waste Management, 2021, 23, 402-408.	1.6	12
112	Advanced resins for stereolithography: In situ generation of silver nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	11
113	Low-Power Laser Powder Bed Fusion Processing of ScalmalloyÂ®. Materials, 2022, 15, 3123.	1.3	11
114	Functionalization of ceramic tile surface by soluble salts addition: Part I. Journal of the European Ceramic Society, 2010, 30, 11-16.	2.8	10
115	Non-hydrolytic solâ€“gel synthesis and reactive suspension method: an innovative approach to obtain magnetiteâ€“epoxy nanocomposite materials. Journal of Sol-Gel Science and Technology, 2017, 81, 69-83.	1.1	10
116	Photocatalytic N-doped TiO2 for self-cleaning of limestones. European Physical Journal Plus, 2019, 134, 1.	1.2	10
117	Materiales vitrocerÃ¡micos del sistema MgO-Al₂O₃-SiO₂ a partir de ceniza de cÃ¡scara de arroz. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2011, 50, 201-206.	0.9	10
118	Hyperfine Characterization of Metastable Tetragonal Configurations in Pr-Doped Zirconias. Chemistry of Materials, 2004, 16, 4319-4323.	3.2	9
119	Functionalization of ceramic tile surface by soluble salts addition: Part II. Titanium and silver addition. Journal of the European Ceramic Society, 2010, 30, 1873-1878.	2.8	9
120	Antibacterial and Self-Cleaning Coatings for Silicate Ceramics: A Review. Advances in Science and Technology, 0, , .	0.2	9
121	Experimental Analysis of Romanesque Masonries Made by Tile and Brick Fragments Found at the Archaeological Site of S. Maria in Portuno. International Journal of Architectural Heritage, 2014, 8, 161-184.	1.7	9
122	The Anorthite-Diopside System: Structural and Devitrification Study. Part I: Structural Characterization by Molecular Dynamic Simulations. Journal of the American Ceramic Society, 2005, 88, 714-718.	1.9	8
123	Particle anisotropy and crystalline phase transition in one-pot synthesis of nano-zirconia: a causal relationship. CrystEngComm, 2018, 20, 879-888.	1.3	8
124	Sintering and crystallization behavior of CaMgSi2O6â€“NaFeSi2O6 based glass-ceramics. Journal of Applied Physics, 2009, 106, .	1.1	7
125	Electrical behaviour of materials based on monoclinic celsian derived from cation-exchanged commercial zeolites. Journal of Materials Science, 2006, 41, 4327-4333.	1.7	6
126	Verwey transition temperature distribution in magnetic nanocomposites containing polydisperse magnetite nanoparticles. Journal of Materials Science, 2019, 54, 8346-8360.	1.7	6

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127	Development of glass-stalks-unsaturated polyester hybrid composites. Composites Communications, 2020, 22, 100428.	3.3	6
128	Structural Characterization of Natural and Processed Zircons with X-Rays and Nuclear Techniques. Advances in Condensed Matter Physics, 2017, 2017, 1-9.	0.4	5
129	Characterization of biocompatible scaffolds manufactured by fused filament fabrication of poly(3-hydroxybutyrate- co -3-hydroxyhexanoate). Royal Society Open Science, 2022, 9, 211485.	1.1	5
130	Effect of Aging and Cooling Path on the Super Î²-Transus Heat-Treated Ti-6Al-4V Alloy Produced via Electron Beam Melting (EBM). Materials, 2022, 15, 4067.	1.3	5
131	Kinetic Study of Conventional Solid-State Synthesis of BaTiO₃ by <i>in situ</i> HT-XRD. Materials Science Forum, 1998, 278-281, 379-383.	0.3	4
132	TiO₂ nanocoatings for architectural heritage: Self-cleaning treatments on historical stone surfaces. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2014, 228, 2-10.	0.1	4
133	A novel synthetic strategy for magnetite-type compounds. A combined experimental and DFT-computational study. Physical Chemistry Chemical Physics, 2015, 17, 20522-20529.	1.3	4
134	Bioactive nanocomposites for dental application obtained by reactive suspension method. Nanocomposites, 2016, 2, 37-49.	2.2	4
135	An Automatic on Top Analysis of Single Scan Tracks to Evaluate the Laser Powder Bed Fusion Building Parameters. Materials, 2021, 14, 5171.	1.3	4
136	Properties/Structure Relationships in Innovative PCL-SiO2 Nanocomposites. Macromolecular Symposia, 2001, 169, 201-210.	0.4	3
137	DOE analyses on aqueous suspensions of TiO2 nanoparticles. Journal of the European Ceramic Society, 2008, 28, 2665-2671.	2.8	3
138	Epoxy resin/TiO2 nanocomposites prepared by the Reactive Suspension Method: Dynamic-mechanical properties and their prediction by theoretical models. Materials Today Communications, 2022, 31, 103347.	0.9	3
139	Microwave Technology Applications in the Synthesis of Ceramic Pigments. Key Engineering Materials, 2002, 206-213, 119-122.	0.4	2
140	Nanoscopic characterization of Pr2Zr2O7 at Zr sites. Physica Status Solidi (B): Basic Research, 2005, 242, 1838-1841.	0.7	2
141	Microwave and Conventional Hydrothermal Synthesis of Zirconia Doped Powders. , 2006, , 627-632.		1
142	Short range investigation of sub-micron zirconia particles. Journal of Physics: Conference Series, 2009, 167, 012041.	0.3	1
143	Bactericidal effects of reactive thermal plasma synthesized titanium dioxide photocatalysts. Journal of Physics: Conference Series, 2010, 208, 012143.	0.3	1
144	DREAM: Driving up reliability and efficiency of additive manufacturing. , 2017, , .		1

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145	Printing and characterization of threeâ€dimensional highâ€loaded nanocomposites structures. Material Design and Processing Communications, 2021, 3, e256.	0.5	1
146	Microwave and Conventional Hydrothermal Synthesis of Zirconia Doped Powders. , 2006, , 627-632.		1
147	Rietveld Structure Refinement of Pr Doped Zirconia. Materials Science Forum, 2000, 321-324, 932-937.	0.3	0
148	ESEM Investigation of the Reaction Mechanism in Pr-Doped Zircon. Key Engineering Materials, 2002, 206-213, 731-734.	0.4	0
149	Microwave-Driven Hydrothermal Synthesis of Oxide Nanopowders for Applications in Optoelectronics. , 2005, , 163-179.		0
150	Roomâ€Temperature Degradation of tâ€Zr(Pr)O₂ in an Aqueous Suspension Revealed by Perturbed Angular Correlations. Journal of the American Ceramic Society, 2008, 91, 2357-2359.	1.9	0
151	Synthesis and Thermal Stability of Hydroxyapatite-Coated Zirconia Nanocomposite Powders. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2012, 42, 128-134.	0.6	0
152	Light-Storing Photocatalyst: The Possibility of Activating Titanium Dioxide by Photoluminescence. Journal of Applied Biomaterials and Functional Materials, 2016, 14, 477-482.	0.7	0
153	Study of the Reactivity of Zircon Pigments in Glass Matrix. Ceramic Engineering and Science Proceedings, 0, , 9-14.	0.1	0