

Dachamir Hotza

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331
papers

5,513
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62
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355
ext. papers

6,603
ext. citations

3.5
avg, IF

6.24
L-index

#	Paper	IF	Citations
331	Effect of nano-silica on rheology and fresh properties of cement pastes and mortars. <i>Construction and Building Materials</i> , 2009 , 23, 2487-2491	6.7	425
330	Rice husk ash as an alternate source for active silica production. <i>Materials Letters</i> , 2002 , 57, 818-821	3.3	375
329	Review: aqueous tape casting of ceramic powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1995 , 202, 206-217	5.3	285
328	Current developments in reversible solid oxide fuel cells. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 61, 155-174	16.2	178
327	Effect of nano-SiO ₂ and nano-TiO ₂ addition on the rheological behavior and the hardened properties of cement mortars. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 532, 354-361	5.3	163
326	Mortars with nano-SiO ₂ and micro-SiO ₂ investigated by experimental design. <i>Construction and Building Materials</i> , 2010 , 24, 1432-1437	6.7	151
325	Manufacturing porous ceramic materials by tape casting—a review. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 988-1001	6	116
324	Measuring the plasticity of clays: A review. <i>Applied Clay Science</i> , 2011 , 51, 1-7	5.2	112
323	Effect of marble and granite sludge in clay materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 419, 306-309	5.3	94
322	Fuel cells development and hydrogen production from renewable resources in Brazil. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 4915-4935	6.7	82
321	Ceramic formulations prepared with industrial wastes and natural sub-products. <i>Ceramics International</i> , 2006 , 32, 173-179	5.1	62
320	Microwave-assisted hydrothermal carbonization of lignocellulosic materials. <i>Materials Letters</i> , 2009 , 63, 2707-2709	3.3	60
319	Life cycle assessment of the production of cement: A Brazilian case study. <i>Journal of Cleaner Production</i> , 2016 , 137, 1293-1299	10.3	59
318	Effect of red mud addition on the rheological behaviour and on hardened state characteristics of cement mortars. <i>Construction and Building Materials</i> , 2011 , 25, 163-170	6.7	58
317	Formulation of mortars with nano-SiO ₂ and nano-TiO ₂ for degradation of pollutants in buildings. <i>Composites Part B: Engineering</i> , 2013 , 44, 40-47	10	54
316	Temperature effect on the rheological behavior of carrot juices. <i>Journal of Food Engineering</i> , 2009 , 92, 269-274	6	54
315	Simultaneous optimization of linear firing shrinkage and water absorption of triaxial ceramic bodies using experiments design. <i>Ceramics International</i> , 2004 , 30, 917-922	5.1	53

3 ¹⁴	Wastes from pulp and paper mills - a review of generation and recycling alternatives. <i>Ceramica</i> , 2018 , 64, 443-453	1	50
3 ¹³	Effect of quartz particle size on the mechanical behaviour of porcelain tile subjected to different cooling rates. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 1039-1046	6	46
3 ¹²	Transparent ceramic and glass-ceramic materials for armor applications. <i>Ceramics International</i> , 2017 , 43, 13031-13046	5.1	43
3 ¹¹	Life cycle assessment of the production of Portland cement: a Southern Europe case study. <i>Journal of Cleaner Production</i> , 2016 , 126, 159-165	10.3	41
3 ¹⁰	In-situ synthesis of zeolites by geopolymerization of biomass fly ash and metakaolin. <i>Materials Letters</i> , 2019 , 236, 644-648	3.3	41
3 ⁰⁹	Aluminium nitride ceramics with high thermal conductivity from gas-phase synthesized powders. <i>Journal of the European Ceramic Society</i> , 1994 , 13, 229-237	6	40
3 ⁰⁸	Synthesis and characterization of hematite pigment obtained from a steel waste industry. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1307-13	12.8	38
3 ⁰⁷	LZSA glass ceramic foams prepared by replication process. <i>Advances in Applied Ceramics</i> , 2005 , 104, 22-29.3		38
3 ⁰⁶	Microstructure and properties of LZSA glass-ceramic foams. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 476, 89-97	5.3	37
3 ⁰⁵	Development of mortars containing superabsorbent polymer. <i>Construction and Building Materials</i> , 2015 , 95, 575-584	6.7	36
3 ⁰⁴	Lipase immobilization on ceramic supports: An overview on techniques and materials. <i>Biotechnology Advances</i> , 2020 , 42, 107581	17.8	36
3 ⁰³	Using statistical techniques to model the flexural strength of dried triaxial ceramic bodies. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 2813-2818	6	36
3 ⁰²	Early-stage materials selection based on embodied energy and carbon footprint. <i>Materials and Design</i> , 2019 , 178, 107861	8.1	35
3 ⁰¹	The influence of TiO ₂ and ZnO powder mixtures on photocatalytic activity and rheological behavior of cement pastes. <i>Construction and Building Materials</i> , 2014 , 65, 191-200	6.7	33
3 ⁰⁰	Aqueous tape casting of micro and nano YSZ for SOFC electrolytes. <i>Ceramics International</i> , 2013 , 39, 8279-8285	5.1	33
2 ⁹⁹	Formulations of sulfobelite cement through design of experiments. <i>Construction and Building Materials</i> , 2011 , 25, 3410-3416	6.7	33
2 ⁹⁸	Properties of Triaxial Porcelain Bodies: Interpretation of Statistical Modeling. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3356-3365	3.8	32
2 ⁹⁷	A modified model for the viscosity of ceramic suspensions. <i>Ceramics International</i> , 2002 , 28, 731-735	5.1	32

296	Properties and Applications of <i>Morinda citrifolia</i> (Noni): A Review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2019 , 18, 883-909	16.4	31
295	Preparation of ceramic nanoparticles via cellulose-assisted glycine nitrate process: a review. <i>RSC Advances</i> , 2013 , 3, 2873-2884	3.7	31
294	Effect of nanosilica and microsilica on microstructure and hardened properties of cement pastes and mortars. <i>Advances in Applied Ceramics</i> , 2010 , 109, 104-110	2.3	31
293	Influence of composition on mechanical behaviour of porcelain tile. Part I: Microstructural characterization and developed phases after firing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1730-1735	5.3	31
292	Silicon carbide filters and porous membranes: A review of processing, properties, performance and application. <i>Journal of Membrane Science</i> , 2020 , 610, 118193	9.6	31
291	Laminated object manufacturing of LZSA glass-ceramics. <i>Rapid Prototyping Journal</i> , 2011 , 17, 424-428	3.8	30
290	Analyses of the fundamental parameters of cold die compaction of powder metallurgy. <i>Journal of Materials Processing Technology</i> , 2008 , 199, 417-424	5.3	30
289	Estudo comparativo entre sílica obtida por lixiviação da casca de arroz e sílica obtida por tratamento térmico da cinza de casca de arroz. <i>Química Nova</i> , 2006 , 29, 1175	1.6	30
288	Waste-containing clinkers: Valorization of alternative mineral sources from pulp and paper mills. <i>Chemical Engineering Research and Design</i> , 2017 , 109, 106-116	5.5	29
287	Multilayered ceramic composites – a review. <i>Advances in Applied Ceramics</i> , 2015 , 114, 127-138	2.3	29
286	Photocatalytic Nb ₂ O ₅ -doped TiO ₂ nanoparticles for glazed ceramic tiles. <i>Ceramics International</i> , 2016 , 42, 5113-5122	5.1	29
285	Mortar composition defined according to rheometer and flow table tests using factorial designed experiments. <i>Construction and Building Materials</i> , 2009 , 23, 3107-3111	6.7	29
284	LZSA glass-ceramic laminates: Fabrication and mechanical properties. <i>Journal of Materials Processing Technology</i> , 2008 , 206, 194-201	5.3	29
283	Photocatalytic ceramic tiles: Challenges and technological solutions. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1002-1017	6	29
282	Adsorption and desorption of eggplant peel anthocyanins on a synthetic layered silicate. <i>Journal of Food Engineering</i> , 2019 , 262, 162-169	6	27
281	Influence of red mud addition on rheological behavior and hardened properties of mortars. <i>Construction and Building Materials</i> , 2014 , 65, 84-91	6.7	27
280	Surface energy effects on the stability of anatase and rutile nanocrystals: A predictive diagram for Nb ₂ O ₅ -doped-TiO ₂ . <i>Applied Surface Science</i> , 2017 , 393, 103-109	6.7	27
279	Obtaining highly dense YSZ nanoceramics by pressureless, unassisted sintering. <i>International Materials Reviews</i> , 2015 , 60, 353-375	16.1	27

278	Influence of added nanosilica and/or silica fume on fresh and hardened properties of mortars and cement pastes. <i>Advances in Applied Ceramics</i> , 2009 , 108, 418-428	2.3	27
277	Analysis of the development of microscopic residual stresses on quartz particles in porcelain tile. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2629-2637	6	27
276	Enhancing the properties of ceramic products through mixture design and response surface analysis. <i>Journal of the European Ceramic Society</i> , 2004 , 24, 375-379	6	27
275	Waste-based geopolymeric mortars with very high moisture buffering capacity. <i>Construction and Building Materials</i> , 2018 , 191, 39-46	6.7	27
274	Synergetic effect of photocatalysis and ozonation for enhanced tetracycline degradation using highly macroporous photocatalytic supports. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 149, 107838	3.7	26
273	Preparation of polyethylene-supported zero-valent iron buoyant catalyst and its performance for Ponceau 4R decolorization by photo-Fenton process. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102963	6.8	25
272	Incorporação de lama de mármore e granito em massas argilosas. <i>Ceramica</i> , 2005 , 51, 325-330	1	25
271	Nanocrystalline yttria-doped zirconia sintered by fast firing. <i>Materials Letters</i> , 2016 , 166, 196-200	3.3	24
270	Colloidal Processing of Glass-Ceramics for Laminated Object Manufacturing. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1186-1191	3.8	24
269	Evaluation of permeability of ceramic wick structures for two phase heat transfer devices. <i>Applied Thermal Engineering</i> , 2011 , 31, 1076-1081	5.8	24
268	Rational mineralogical analysis of ceramics. <i>Materials Letters</i> , 2002 , 52, 394-398	3.3	24
267	Fabrication of Ti ₃ SiC ₂ -based composites via three-dimensional printing: Influence of processing on the final properties. <i>Ceramics International</i> , 2016 , 42, 9557-9564	5.1	23
266	Charcoal produced from cellulosic raw materials by microwave-assisted hydrothermal carbonization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 117, 269-275	4.1	23
265	Influence of composition on mechanical behaviour of porcelain tile. Part II: Mechanical properties and microscopic residual stress. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1736-1743	5.3	23
264	Hydrophobing of aluminium nitride powders. <i>Journal of Materials Science</i> , 1995 , 30, 127-132	4.3	23
263	Self-cleaning ceramic tiles coated with Nb ₂ O ₅ -doped-TiO ₂ nanoparticles. <i>Ceramics International</i> , 2017 , 43, 11986-11991	5.1	22
262	Effect of the particle size range of construction and demolition waste on the fresh and hardened-state properties of fly ash-based geopolymer mortars with total replacement of sand. <i>Chemical Engineering Research and Design</i> , 2019 , 129, 130-137	5.5	22
261	Influence of macroscopic residual stresses on the mechanical behavior and microstructure of porcelain tile. <i>Journal of the European Ceramic Society</i> , 2008 , 28, 2463-2469	6	22

260	Cellular ceramics by gelatin gelcasting of emulsified suspensions with sunflower oil. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 2577-2585	6	20
259	Biogenesis of Silica Nanoparticles from Rice Husk Ash Using <i>Fusarium oxysporum</i> in Two Different Growth Media. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 6959-6965	3.9	20
258	Using granite rejects to aid densification and improve mechanical properties of alumina bodies. <i>Journal of Materials Science</i> , 2005 , 40, 3905-3909	4.3	20
257	Influence of porous structures on O ₂ flux of BSCF asymmetric membranes. <i>Separation and Purification Technology</i> , 2017 , 175, 164-169	8.3	19
256	An overview and future prospects on aptamers for food safety. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 6929-6939	5.7	19
255	Fiber-Matrix Compatibility in an All-Oxide Ceramic Composite with RBAO Matrix. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 159-164	3.8	19
254	Bentonites functionalized by impregnation with TiO ₂ , Ag, Pd and Au nanoparticles. <i>Applied Clay Science</i> , 2017 , 146, 1-6	5.2	18
253	Tape casting of preceramic polymers toward advanced ceramics: A review. <i>International Journal of Ceramic Engineering & Science</i> , 2019 , 1, 21-41	2	18
252	ZrO ₂ fiber-matrix interfaces in alumina fiber-reinforced model composites. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1593-1598	6	18
251	Formulation of ceramic engobes with recycled glass using mixture design. <i>Journal of Cleaner Production</i> , 2014 , 69, 243-249	10.3	18
250	Effect of reduction of thickness on microstructure and properties of porcelain stoneware tiles. <i>Ceramics International</i> , 2014 , 40, 14693-14699	5.1	18
249	Effects of processing parameters on cellular ceramics obtained by paraffin emulsified suspensions. <i>Ceramics International</i> , 2014 , 40, 9045-9053	5.1	18
248	Crystallisation Kinetics of a β -Spodumene-Based Glass Ceramic. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-8	1.5	18
247	Artigo revisado: colagem de folhas cerâmicas. <i>Ceramica</i> , 1997 , 43, 159-166	1	18
246	Assessment of the single and combined effect of superabsorbent particles and porogenic agents in nanotitania-containing mortars. <i>Energy and Buildings</i> , 2016 , 127, 980-990	7	18
245	Microstructure and flexural properties of multilayered fiber-reinforced oxide composites fabricated by a novel lamination route. <i>Ceramics International</i> , 2015 , 41, 7836-7846	5.1	17
244	Measuring and Modeling the Plasticity of Clays. <i>Materials Research</i> , 2010 , 13, 395-399	1.5	17
243	A novel route for manufacturing asymmetric BSCF-based perovskite structures by a combined tape and freeze casting method. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 5249-5257	6	16

242	Predicting powder densification during sintering. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1736-1741	6	16
241	Processing and strengthening of 58S bioactive glass-infiltrated titania scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 590-600	5.4	16
240	The influence of TiO ₂ nanoparticles and polyacrylonitrile fibers on the rheological behavior and hardened properties of mortars. <i>Construction and Building Materials</i> , 2015 , 75, 315-330	6.7	16
239	Combining mineral and clay-based wastes to produce porcelain-like ceramics: An exploratory study. <i>Applied Clay Science</i> , 2012 , 69, 50-57	5.2	16
238	Building a Sintering Front through Fast Firing. <i>International Journal of Applied Ceramic Technology</i> , 2011 , 8, 1486-1493	2	16
237	Processing of Cellular Glass Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3373-3378	3.8	16
236	Preparation of delafossite-type CuFeO ₂ powders by conventional and microwave-assisted hydrothermal routes for use as photoenton catalysts. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 102954	6.8	16
235	Electrospun TiO ₂ nanofibers for water and wastewater treatment: a review. <i>Journal of Materials Science</i> , 2021 , 56, 5428-5448	4.3	16
234	Activated nanocarbons produced by microwave-assisted hydrothermal carbonization of Amazonian fruit waste for methane storage. <i>Materials Chemistry and Physics</i> , 2018 , 216, 42-46	4.4	16
233	Chitosan as a matrix of nanocomposites: A review on nanostructures, processes, properties, and applications. <i>Carbohydrate Polymers</i> , 2021 , 272, 118472	10.3	16
232	Advances and Challenges for the Co-processing in Latin American Cement Industry 2015 , 9, 571-577		15
231	Development of new geopolymers based on stone cutting waste. <i>Construction and Building Materials</i> , 2020 , 257, 119525	6.7	15
230	Superfícies fotocatalíticas de titânia em substratos cerâmicos: Parte I: Síntese, estrutura e fotoatividade. <i>Cerâmica</i> , 2013 , 59, 620-632	1	14
229	Influence of composition on mechanical behaviour of porcelain tile. Part III: Effect of the cooling rate of the firing cycle. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3330-3336	5.3	14
228	Rheological characterisation of cement pastes with nanosilica, silica fume and superplasticiser additions. <i>Advances in Applied Ceramics</i> , 2010 , 109, 213-218	2.3	14
227	Potable water filtration sludge: Use as set retarder in one-coat plastering mortars. <i>Construction and Building Materials</i> , 2007 , 21, 646-653	6.7	14
226	An overview on nanostructured TiO ₂ -containing fibers for photocatalytic degradation of organic pollutants in wastewater treatment. <i>Journal of Water Process Engineering</i> , 2021 , 40, 101827	6.7	14
225	Porous Cu/YSZ anodes processed by aqueous tape casting for IT-SOFC. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 5233-5237	6	13

224	The effect of non-ionic porous domains on supported Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ membranes for O ₂ separation. <i>Journal of Membrane Science</i> , 2014 , 454, 382-389	9.6	13
223	Extruded ZrSiO ₄ particulate-reinforced LZSA glass-ceramics matrix composite. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 1134-1142	5.3	13
222	Processing and characterization of CaTiO ₃ perovskite ceramics. <i>Processing and Application of Ceramics</i> , 2014 , 8, 53-57	1.4	13
221	Membrane Surface Modification by Electrospinning, Coating, and Plasma for Membrane Distillation Applications: A State-of-the-Art Review. <i>Advanced Engineering Materials</i> , 2021 , 23, 2001456	3.5	13
220	Materials and Manufacturing Techniques for Polymeric and Ceramic Scaffolds Used in Implant Dentistry. <i>Journal of Composites Science</i> , 2021 , 5, 78	3	13
219	Synthesis and oxygen transport properties of La ₂ Sr _{1-x} Ni _{1+x} MoxO _{4+δ} . <i>Solid State Ionics</i> , 2016 , 292, 38-44	3.3	13
218	Comparative study of the adsorption of acetaminophen on activated carbons in simulated gastric fluid. <i>SpringerPlus</i> , 2014 , 3, 48		12
217	Study of cure conditions effect on the properties of wood biomass fly ash geopolymers. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 7518-7528	5.5	11
216	Synthesis of Ca-doped spinel by Ultrasonic Spray Pyrolysis. <i>Materials Letters</i> , 2016 , 171, 232-235	3.3	11
215	Forming of thin porcelain tiles: A comparison between tape casting and dry pressing. <i>Ceramics International</i> , 2014 , 40, 3761-3767	5.1	11
214	Direct coagulation casting of nano-8YSZ powder suspensions using nano-MgO as coagulating agent. <i>Ceramics International</i> , 2017 , 43, 316-323	5.1	11
213	Current developments of mixed conducting membranes on porous substrates. <i>Materials Research</i> , 2014 , 17, 242-249	1.5	11
212	ZrO ₂ foams for porous radiant burners. <i>Journal of Materials Science</i> , 2009 , 44, 3466-3471	4.3	11
211	Relationship between Rheological Behaviour and Final Structure of Al ₂ O ₃ and YSZ Foams Produced by Replica. <i>Advances in Materials Science and Engineering</i> , 2012 , 2012, 1-9	1.5	11
210	Predicting porosity content in triaxial porcelain bodies as a function of raw materials contents. <i>Journal of Materials Science</i> , 2008 , 43, 696-701	4.3	11
209	Caracterizaçã de cinza obtida por combustã de casca de arroz em reator de leito fluidizado. <i>Quimica Nova</i> , 2009 , 32, 1110-1114	1.6	11
208	Chemical tempering of porcelain tiles. <i>Ceramics International</i> , 2016 , 42, 15199-15202	5.1	10
207	Manufacturing of Porous Polycaprolactone Prepared with Different Particle Sizes and Infrared Laser Sintering Conditions: Microstructure and Mechanical Properties. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 640496	1.2	10

206	Fracture toughness and temperature dependence of Young's modulus of a sintered albite glass. <i>Journal of Non-Crystalline Solids</i> , 2013 , 363, 70-76	3.9	10
205	Effect of diatomite addition on fresh and hardened properties of mortars investigated through mixture experiments. <i>Advances in Applied Ceramics</i> , 2011 , 110, 142-150	2.3	10
204	Roll Pressed LZSA Glass-Ceramics. <i>Advances in Science and Technology</i> , 2006 , 45, 442-446	0.1	10
203	Characterization of silver nanoparticles produced by biosynthesis mediated by <i>Fusarium oxysporum</i> under different processing conditions. <i>Bioprocess and Biosystems Engineering</i> , 2017 , 40, 1291-1303	3.7	10
202	Effect of environmental conditions on degradation of NOx gases by photocatalytic nanotitania-based cement mortars after long-term hydration. <i>Journal of Cleaner Production</i> , 2020 , 274, 123067	10.3	10
201	Electrospinning of cellulose using ionic liquids: An overview on processing and applications. <i>European Polymer Journal</i> , 2021 , 147, 110283	5.2	10
200	Biosynthesis of iron oxide nanoparticles from mineral coal tailings in a stirred tank reactor. <i>Hydrometallurgy</i> , 2019 , 184, 199-205	4	9
199	Ni(OH) ₂ Aerogels Incorporated with Polypyrrole as Electrodes for Supercapacitors. <i>Journal of Electronic Materials</i> , 2017 , 46, 5232-5239	1.9	9
198	R-curve behavior and flexural strength of zirconia-toughened alumina and partially stabilized zirconia composite laminates. <i>Ceramics International</i> , 2018 , 44, 13463-13468	5.1	9
197	Cellular ceramics obtained by a combination of direct foaming of soybean oil emulsified alumina suspensions with gel consolidation using gelatin. <i>Ceramics International</i> , 2018 , 44, 2436-2445	5.1	9
196	Doped and undoped anatase-based plates obtained from paper templates for photocatalytic oxidation of NOx. <i>Ceramics International</i> , 2016 , 42, 12074-12083	5.1	9
195	Influence of coatings on microstructure and mechanical properties of preceramic paper-derived porous alumina substrates. <i>Journal of Materials Processing Technology</i> , 2013 , 213, 308-313	5.3	9
194	Flexible polyurethane foams as templates for cellular glass-ceramics. <i>Journal of Materials Processing Technology</i> , 2009 , 209, 5313-5318	5.3	9
193	Enhanced catalytic performance of CuFeS ₂ chalcogenide prepared by microwave-assisted route for photo-Fenton oxidation of emerging pollutant in water. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 104077	6.8	9
192	Asymmetric mullite membranes manufactured by phase-inversion tape casting from polymethylsiloxane and aluminum diacetate. <i>Journal of Membrane Science</i> , 2019 , 581, 421-429	9.6	8
191	Tape casting of polysiloxane-derived ceramic with controlled porosity and surface properties. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4899-4905	6	8
190	Biomining of iron-containing nanoparticles from coal tailings. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 7231-7240	5.7	8
189	Enhancing Specific Capacitance and Cyclic Stability through Incorporation of MnO ₂ into Bacterial Nanocellulose/PPy/CuCl ₂ Flexible Electrodes. <i>Energy Technology</i> , 2019 , 7, 1900328	3.5	8

188	Directed photoluminescent emission of ZnO tetrapods on biotemplated Al ₂ O ₃ . <i>Optical Materials</i> , 2013 , 36, 562-567	3.3	8
187	Blindagens cerâmicas para aplicações balísticas: uma revisão. <i>Ceramica</i> , 2014 , 60, 323-331	1	8
186	Effect of the Processing Steps on Cactus Juice Production. <i>Food and Bioprocess Technology</i> , 2014 , 7, 990-1000	5.1	8
185	Effect of Nano-Al ₂ O ₃ Addition on the Densification of YSZ Electrolytes. <i>Journal of Nano Research</i> , 2009 , 6, 115-122	1	8
184	Sand dollar skeleton as templates for bacterial cellulose coating and apatite precipitation. <i>Journal of Materials Science</i> , 2010 , 45, 5252-5256	4.3	8
183	Are TiO ₂ nanoparticles safe for photocatalysis in aqueous media?. <i>Nanoscale Advances</i> , 2020 , 2, 4951-4960	6.1	8
182	An estimate of quartz content and particle size in porcelain tiles from young E modulus measurements. <i>Ceramics International</i> , 2017 , 43, 2233-2238	5.1	7
181	Plasma-modified TiO ₂ /polyetherimide nanocomposite fibers for photocatalytic degradation of organic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2019 , 7, 103213	6.8	7
180	Premix membrane emulsification using flat microfiltration inorganic membranes with tailored structure and composition. <i>Journal of Membrane Science</i> , 2020 , 608, 118124	9.6	7
179	Effects of processing parameters on 3D structural ordering and optical properties of inverse opal photonic crystals produced by atomic layer deposition. <i>International Journal of Ceramic Engineering & Science</i> , 2019 , 1, 68-76	2	7
178	Effect of the particulate size on mechanical properties of alumina-zirconia composites. <i>Materials Letters</i> , 2012 , 82, 88-90	3.3	7
177	Production of Oxide Ceramic Matrix Composites by a Prepreg Technique. <i>Materials Science Forum</i> , 2012 , 727-728, 556-561	0.4	7
176	Rheological and Structural Characterization of Ni-BiO ₂ Nanocomposites Produced by Aqueous Colloidal Processing. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4179-4183	3.8	7
175	Life Cycle Assessment of Ceramic Bricks. <i>Materials Science Forum</i> , 2012 , 727-728, 815-820	0.4	7
174	8YSZ Tapes Produced by Aqueous Tape Casting. <i>Materials Science Forum</i> , 2012 , 727-728, 752-757	0.4	7
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169	Development of magnesium-aluminum-silicate glass-ceramics nucleated with Nb2O5. <i>International Journal of Applied Glass Science</i> , 2020 , 11, 155-169	1.8	7
168	Synthesis of biomorphic paper-derived anatase. <i>Materials Letters</i> , 2015 , 141, 275-279	3.3	6
167	Eco-Friendly Manufacturing of Nano-TiO2 Coated Cotton Textile with Multifunctional Properties. <i>Fibers and Polymers</i> , 2020 , 21, 90-102	2	6
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148	Tailoring asymmetric Al ₂ O ₃ membranes by combining tape casting and phase inversion. <i>Journal of Membrane Science</i> , 2021 , 623, 119056	9.6	5
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135	Extracellular Synthesis of Silica Oxide Particles by <i>Fusarium oxysporum</i> from Rice Husk Ash. <i>Materials Science Forum</i> , 2012 , 727-728, 1153-1157	0.4	4

134	Mixture Design and Response Surface Analysis of Pozzolan Products. <i>Materials Science Forum</i> , 2003 , 416-418, 537-542	0.4	4
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116	Processamento e caracterizaçã de filtros cerâmicos fibrosos. <i>Ceramica</i> , 2009 , 55, 318-325	1	3
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112	Aerogel-Based TiO ₂ Stable Inks for Direct Inkjet Printing of Nanostructured Layers. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-9	1.5	3
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92	Caracterizaçã de bauxita ativada antes e depois da saturaçã com lão mineral isolante. <i>Quimica Nova</i> , 2008 , 31, 1165-1169	1.6	2
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52	Embodied energy and carbon footprint comparison in wind and photovoltaic power plants. <i>International Journal of Energy and Environmental Engineering</i> , 1	4	1
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47	Colloidal processing and characterization of TiO ₂ -MnO-doped alumina/alumina slurries and tapes. <i>International Journal of Ceramic Engineering & Science</i> , 2021 , 3, 173	2	1
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45	Biobleaching from Coal Wastes and Tailings: A Sustainable Biomining Alternative. <i>Environmental and Microbial Biotechnology</i> , 2021 , 203-224	1.4	1

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35	Dehydration of fatty acid methyl ester mixtures from enzymatic biodiesel using a modified PVDF membrane. <i>Renewable Energy</i> , 2022 , 187, 237-247	8.1	0
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30	Green production of cellular ceramics by emulsification of sunflower oil followed by gelcasting and starch consolidation. <i>Journal of Cleaner Production</i> , 2021 , 282, 124468	10.3	0
29	SiOC and SiCN-based ceramic supports for catalysts and photocatalysts. <i>Microporous and Mesoporous Materials</i> , 2021 , 327, 111435	5.3	0
28	Inorganic membranes for in-situ separation of hydrogen and enhancement of hydrogen production from thermochemical reactions. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 160, 112124	16.2	0
27	Steady State Thermal Behaviour of Ceramic Wick Structure for Application in Two Phase Heat Transfer Devices. <i>Advanced Materials Research</i> , 2014 , 1082, 302-308	0.5	

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