# Michele Dondi

List of Publications by Year
in descending order



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|---|---|---|---|
| 150 papers | 5,483 citations | 71102 41 h-index | 110387 64 g-index |
| 156 all docs | 156 docs citations | 156 times ranked | 4377 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Clays and bodies for ceramic tiles: Reappraisal and technological classification. Applied Clay Science, 2014, 96, 91-109. | 5.2 | 192 |
| 2 | Colour performance of ceramic nano-pigments. Dyes and Pigments, 2009, 80, 226-232. | 3.7 | 181 |
| 3 | Recycling PC and TV waste glass in clay bricks and roof tiles. Waste Management, 2009, 29, 1945-1951. | 7.4 | 165 |
| 4 | Effect of soda-lime glass on sintering and technological properties of porcelain stoneware tiles. Ceramics International, 2002, 28, 873-880. | 4.8 | 146 |
| 5 | Composition and technological properties of geopolymers based on metakaolin and red mud. Materials & Design, 2013, 52, 648-654. | 5.1 | 146 |
| 6 | Microwave-assisted polyol synthesis of Cu nanoparticles. Journal of Nanoparticle Research, 2011, 13, 127-138. | 1.9 | 143 |
| 7 | The influence of shaping and firing technology on ceramic properties of calcareous and non-calcareous illiticâ€“chloritic clays. Applied Clay Science, 2002, 20, 301-306. | 5.2 | 116 |
| 8 | Zeolitic tuffs as raw materials for lightweight aggregates. Applied Clay Science, 2004, 25, 71-81. | 5.2 | 114 |
| 9 | The vitreous phase of porcelain stoneware: Composition, evolution during sintering and physical properties. Journal of Non-Crystalline Solids, 2011, 357, 3251-3260. | 3.1 | 111 |
| 10 | Lightweight aggregates from waste materials: Reappraisal of expansion behavior and prediction schemes for bloating. Construction and Building Materials, 2016, 127, 394-409. | 7.2 | 111 |
| 11 | Crystal structural and optical properties of Cr-doped Y2Ti2O7 and Y2Sn2O7 pyrochlores. Acta Materialia, 2007, 55, 2229-2238. | 7.9 | 109 |
| 12 | Thermal Conductivity of Clay Bricks. Journal of Materials in Civil Engineering, 2004, 16, 8-14. | 2.9 | 93 |
| 13 | The influence of microstructure on the performance of white porcelain stoneware. Ceramics International, 2004, 30, 953-963. | 4.8 | 82 |
| 14 | Predicting the initial rate of water absorption in clay bricks. Construction and Building Materials, 2009, 23, 2623-2630. | 7.2 | 80 |
| 15 | Composition and ceramic properties of tertiary clays from southern Sardinia (Italy). Applied Clay Science, 1997, 12, 247-266. | 5.2 | 76 |
| 16 | Effect of waste glass (TV/PC cathodic tube and screen) on technological properties and sintering behaviour of porcelain stoneware tiles. Ceramics International, 2007, 33, 615-623. | 4.8 | 74 |
| 17 | The role of counterions (Mo, Nb, Sb, W) in Cr-, Mn-, Ni- and V-doped rutile ceramic pigments. Ceramics International, 2006, 32, 393-405. | 4.8 | 69 |
| 18 | Co-doped willemite ceramic pigments: Technological behaviour, crystal structure and optical properties. Journal of the European Ceramic Society, 2010, 30, 3319-3329. | 5.7 | 69 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of zeolites on the sintering and technological properties of porcelain stoneware tiles. Journal of the European Ceramic Society, 2003, 23, 2237-2245. | 5.7 | 68 |
| 20 | The role of counterions (Mo, Nb, Sb, W) in Cr-, Mn-, Ni- and V-doped rutile ceramic pigments. Ceramics International, 2006, 32, 385-392. | 4.8 | 67 |
| 21 | Ceramic application of mica titania pearlescent pigments. Dyes and Pigments, 2007, 74, 1-8. | 3.7 | 66 |
| 22 | Neapolitan Yellow Tuff as raw material for lightweight aggregates in lightweight structural concrete production. Applied Clay Science, 2005, 28, 309-319. | 5.2 | 65 |
| 23 | Pseudobrookite ceramic pigments: Crystal structural, optical and technological properties. Solid State Sciences, 2007, 9, 362-369. | 3.2 | 65 |
| 24 | Use of zeolite-rich rocks and waste materials for the production of structural lightweight concretes. Applied Clay Science, 2008, 41, 61-72. | 5.2 | 64 |
| 25 | Clay materials for ceramic tiles from the Sassuolo District (Northern Apennines, Italy). Geology, composition and technological properties. Applied Clay Science, 1999, 15, 337-366. | 5.2 | 63 |
| 26 | The role of surface microstructure on the resistance to stains of porcelain stoneware tiles. Journal of the European Ceramic Society, 2005, 25, 357-365. | 5.7 | 61 |
| 27 | TiO2 based nano-photocatalysis immobilized on cellulose substrates. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 276, 58-64. | 3.9 | 61 |
| 28 | Waste recycling in ceramic tiles: a technological outlook. Resources, Conservation and Recycling, 2021, 168, 105289. | 10.8 | 59 |
| 29 | Zirconium titanate ceramic pigments: Crystal structure, optical spectroscopy and technological properties. Journal of Solid State Chemistry, 2006, 179, 233-246. | 2.9 | 58 |
| 30 | Technological behaviour and recycling potential of spent foundry sands in clay bricks. Journal of Environmental Management, 2011, 92, 994-1002. | 7.8 | 58 |
| 31 | Crystal structure, optical properties and colouring performance of karrooite MgTi2O5 ceramic pigments. Journal of Solid State Chemistry, 2007, 180, 3196-3210. | 2.9 | 56 |
| 32 | Energy, environmental and technical assessment for the incorporation of EAF stainless steel slag in ceramic building materials. Journal of Cleaner Production, 2017, 142, 1778-1788. | 9.3 | 56 |
| 33 | Ni-doped hibonite (CaAl12O19): A new turquoise blue ceramic pigment. Journal of the European Ceramic Society, 2009, 29, 2671-2678. | 5.7 | 55 |
| 34 | Ni-free, black ceramic pigments based on Coâ€"Crâ€"Feâ€"Mn spinels: A reappraisal of crystal structure, colour and technological behaviour. Ceramics International, 2013, 39, 9533-9547. | 4.8 | 54 |
| 35 | Campanian Ignimbrite as raw material for lightweight aggregates. Applied Clay Science, 2007, 37, 115-126. | 5.2 | 51 |
| 36 | Photocatalytic ceramic tiles: Challenges and technological solutions. Journal of the European Ceramic Society, 2018, 38, 1002-1017. | 5.7 | 49 |

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| 37 | Auâ€“Ag nanoparticles as red pigment in ceramic inks for digital decoration. Dyes and Pigments, 2012, 94, 355-362. | 3.7 | 47 |
| 38 | Nano-Sized Ceramic Inks for Drop-on-Demand Ink-Jet Printing in Quadrichromy. Journal of Nanoscience and Nanotechnology, 2008, 8, 1979-1988. | 0.9 | 46 |
| 39 | Structural relaxation in tetrahedrally coordinated $Co^{2+}$ along the gahnite-Co-aluminate spinel solid solution. American Mineralogist, 2012, 97, 1394-1401. | 1.9 | 46 |
| 40 | Orimulsion fly ash in clay bricksâ€"part 2: technological behaviour of clay/ash mixtures. Journal of the European Ceramic Society, 2002, 22, 1737-1747. | 5.7 | 43 |
| 41 | Glassâ€“ceramic frits for porcelain stoneware bodies: Effects on sintering, phase composition and technological properties. Ceramics International, 2008, 34, 455-465. | 4.8 | 43 |
| 42 | Orimulsion fly ash in clay bricksâ€"part 1. Journal of the European Ceramic Society, 2002, 22, 1729-1735. | 5.7 | 42 |
| 43 | Phase composition of aluminaâ€“mulliteâ€“zirconia refractory materials. Journal of the European Ceramic Society, 2010, 30, 29-35. | 5.7 | 42 |
| 44 | Feldspathic fluxes for ceramics: Sources, production trends and technological value. Resources, Conservation and Recycling, 2018, 133, 191-205. | 10.8 | 42 |
| 45 | Malayaite ceramic pigments prepared with galvanic sludge. Dyes and Pigments, 2008, 78, 157-164. | 3.7 | 41 |
| 46 | Self-cleaning ceramic tiles coated with $Nb_2O_5$-doped-$TiO_2$ nanoparticles. Ceramics International, 2017, 43, 11986-11991. | 4.8 | 41 |
| 47 | Water vapour permeability of clay bricks. Construction and Building Materials, 2003, 17, 253-258. | 7.2 | 40 |
| 48 | Chemical, mineralogical and ceramic properties of kaolinitic materials from the Tresnuraghes mining district (Western Sardinia, Italy). Applied Clay Science, 2001, 18, 145-155. | 5.2 | 39 |
| 49 | Mâ€Doped Al<sub>2</sub>TiO<sub>5</sub> (M=Cr, Mn, Co) Solid Solutions and their Use as Ceramic Pigments. Journal of the American Ceramic Society, 2009, 92, 1972-1980. | 3.8 | 39 |
| 50 | $TiO_2$ based photocatalytic coatings: From nanostructure to functional properties. Chemical Engineering Journal, 2013, 225, 880-886. | 12.7 | 38 |
| 51 | Micronizing ceramic pigments for inkjet printing: Part I. Grindability and particle size distribution. Ceramics International, 2015, 41, 6498-6506. | 4.8 | 38 |
| 52 | Zeoliteâ€“feldspar epiclastic rocks as flux in ceramic tile manufacturing. Microporous and Mesoporous Materials, 2007, 105, 273-278. | 4.4 | 37 |
| 53 | Environmental life cycle assessment of lightweight concrete to support recycled materials selection for sustainable design. Construction and Building Materials, 2016, 119, 370-384. | 7.2 | 37 |
| 54 | Interaction of metakaolin-phosphoric acid and their structural evolution at high temperature. Applied Clay Science, 2017, 146, 510-516. | 5.2 | 37 |

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| 55 | Green and easily scalable microwave synthesis of noble metal nanosols (Au, Ag, Cu, Pd) usable as catalysts. New Journal of Chemistry, 2014, 38, 1401-1409. | 2.8 | 36 |
| 56 | TiO2 Nanosols Applied Directly on Textiles Using Different Purification Treatments. Materials, 2015, 8, 7988-7996. | 2.9 | 36 |
| 57 | Ink-jet printability of aqueous ceramic inks for digital decoration of ceramic tiles. Dyes and Pigments, 2016, 127, 148-154. | 3.7 | 36 |
| 58 | Pyroplastic deformation of porcelain stoneware tiles: Wet vs. dry processing. Journal of the European Ceramic Society, 2017, 37, 333-342. | 5.7 | 36 |
| 59 | Ceramic pigments and dyes beyond the inkjet revolution: From technological requirements to constraints in colorant design. Ceramics International, 2020, 46, 21839-21872. | 4.8 | 36 |
| 60 | Tetrahedrally coordinated Co2+ in oxides and silicates: Effect of local environment on optical properties. American Mineralogist, 2014, 99, 1736-1745. | 1.9 | 35 |
| 61 | Colour development of red perovskite pigment Y(Al, Cr)O3in various ceramic applications. Advances in Applied Ceramics, 2006, 105, 99-106. | 1.1 | 33 |
| 62 | Bimetallic Nanoparticles as Efficient Catalysts: Facile and Green Microwave Synthesis. Materials, 2016, 9, 550. | 2.9 | 33 |
| 63 | The effect of kaolin properties on their behaviour in ceramic processing as illustrated by a range of kaolins from the Santa Cruz and Chubut Provinces, Patagonia (Argentina). Applied Clay Science, 2008, 40, 143-158. | 5.2 | 32 |
| 64 | Structural Relaxation around Cr<sup>3+</sup> in YAlO<sub>3</sub>âˆ'YCrO<sub>3</sub> Perovskites from Electron Absorption Spectra. Journal of Physical Chemistry A, 2009, 113, 13772-13778. | 2.5 | 32 |
| 65 | Kaolinitic materials from Romana (north-west Sardinia, Italy) and their ceramic properties. Applied Clay Science, 1997, 12, 145-163. | 5.2 | 30 |
| 66 | Solâ€"gel combustion synthesis of chromium doped yttrium aluminum perovskites. Journal of Sol-Gel Science and Technology, 2009, 50, 449-455. | 2.4 | 30 |
| 67 | Structural Concretes with Waste-Based Lightweight Aggregates: From Landfill to Engineered Materials. Environmental Science & Technology, 2009, 43, 7123-7129. | 10.0 | 30 |
| 68 | An overview of using solid wastes for pigment industry. Journal of the European Ceramic Society, 2012, 32, 753-764. | 5.7 | 30 |
| 69 | Microwave-assisted synthesis of Prâ€"ZrSiO4, Vâ€"ZrSiO4 and Crâ€"YAlO3 ceramic pigments. Journal of the European Ceramic Society, 2009, 29, 2951-2957. | 5.7 | 29 |
| 70 | Orimulsion fly ash in clay bricksâ€"part 3. Journal of the European Ceramic Society, 2002, 22, 1749-1758. | 5.7 | 28 |
| 71 | Resource efficiency versus market trends in the ceramic tile industry: Effect on the supply chain in Italy and Spain. Resources, Conservation and Recycling, 2021, 168, 105271. | 10.8 | 28 |
| 72 | Recycling the insoluble residue from titania slag dissolution (tionite) in clay bricks. Ceramics International, 2010, 36, 2461-2467. | 4.8 | 27 |

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| 73 | Equilibrium moisture content of clay bricks: The influence of the porous structure. Building and Environment, 2007, 42, 926-932. | 6.9 | 26 |
| 74 | The thermal transformation of Man Made Vitreous Fibers (MMVF) and safe recycling as secondary raw materials (SRM). Journal of Hazardous Materials, 2009, 162, 1494-1506. | 12.4 | 26 |
| 75 | Chemical Composition of Melilite Formed during the Firing of Carbonateâ€Rich and Ironâ€Containing Ceramic Bodies. Journal of the American Ceramic Society, 1999, 82, 465-468. | 3.8 | 25 |
| 76 | Technological characterization and ceramic application of gravel pit by-products from middle-course Jarama river deposits (central Spain). Applied Clay Science, 2005, 28, 283-295. | 5.2 | 25 |
| 77 | The geology and mineralogy of a range of kaolins from the Santa Cruz and Chubut Provinces, Patagonia (Argentina). Applied Clay Science, 2008, 40, 124-142. | 5.2 | 25 |
| 78 | Durability of clay roofing tiles: the influence of microstructural and compositional variables. Journal of the European Ceramic Society, 2009, 29, 3121-3128. | 5.7 | 25 |
| 79 | Process of pyroplastic shaping for special-purpose porcelain stoneware tiles. Ceramics International, 2009, 35, 1975-1984. | 4.8 | 25 |
| 80 | Elastic properties of perovskite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>YCrO</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m [illegible] to 60 GPa. Physical Review B, 2010, 82, . | 3.2 | 25 |
| 81 | Micronizing ceramic pigments for inkjet printing: Part II. Effect on phase composition and color. Ceramics International, 2015, 41, 6507-6517. | 4.8 | 25 |
| 82 | Ceramic Ink-Jet Printing for Digital Decoration: Physical Constraints for Ink Design. Journal of Nanoscience and Nanotechnology, 2015, 15, 3552-3561. | 0.9 | 25 |
| 83 | Grayâ€"blue Al2O3â€"MoOx ceramic pigments: Crystal structure, colouring mechanism and performance. Dyes and Pigments, 2008, 76, 179-186. | 3.7 | 24 |
| 84 | Ceramic pigments with sphene structure obtained by both spray- and freeze-drying techniques. Powder Technology, 2009, 193, 1-5. | 4.2 | 23 |
| 85 | Mineralogical composition and particle size distribution as a key to understand the technological properties of Ukrainian ball clays. Applied Clay Science, 2015, 108, 102-110. | 5.2 | 23 |
| 86 | Co-Doped Hardystonite, Ca2(Zn,Co)Si2O7, a New Blue Ceramic Pigment. Journal of the American Ceramic Society, 2011, 94, 1025-1030. | 3.8 | 22 |
| 87 | Bentonites functionalized by impregnation with TiO 2 , Ag, Pd and Au nanoparticles. Applied Clay Science, 2017, 146, 1-6. | 5.2 | 22 |
| 88 | Phase evolution during reactive sintering by viscous flow: Disclosing the inner workings in porcelain stoneware firing. Journal of the European Ceramic Society, 2020, 40, 1738-1752. | 5.7 | 22 |
| 89 | Printing nano TiO2 on large-sized building materials: Technologies, surface modifications and functional behaviour. Ceramics International, 2012, 38, 4685-4693. | 4.8 | 21 |
| 90 | Niâ€Ti Codoped Hibonite Ceramic Pigments by Combustion Synthesis: Crystal Structure and Optical Properties. Journal of the American Ceramic Society, 2016, 99, 1749-1760. | 3.8 | 21 |

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| 91 | Synthesis and color performance of CaCoSi2O6 pyroxene, a new ceramic colorant. Dyes and Pigments, 2015, 120, 118-125. | 3.7 | 20 |
| 92 | Malayaite ceramic pigments: A combined optical spectroscopy and neutron/X-ray diffraction study. Materials Research Bulletin, 2009, 44, 1778-1785. | 5.2 | 19 |
| 93 | Melilite-type and melilite-related compounds: structural variations along the join Sr2âˆ’x Ba x MgSi2O7 (0Ââ‰ÂxÂâ‰Â2) and high-pressure behavior of the two end-members. Physics and Chemistry of Minerals, 2012, 39, 199-211. | 0.8 | 19 |
| 94 | Recycling of residual boron muds into ceramic tiles. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2019, 58, 199-210. | 1.9 | 19 |
| 95 | Cr-doped titanite pigment based on industrial rejects. Chemical Engineering Journal, 2010, 158, 167-172. | 12.7 | 17 |
| 96 | Limited Crystallite Growth upon Isothermal Annealing of Nanocrystalline Anatase. Crystal Growth and Design, 2015, 15, 2282-2290. | 3.0 | 17 |
| 97 | Effect of strong mineral fluxes on sintering of porcelain stoneware tiles. Journal of the European Ceramic Society, 2021, 41, 5755-5767. | 5.7 | 17 |
| 98 | Titania slag as a ceramic pigment. Dyes and Pigments, 2008, 77, 608-613. | 3.7 | 15 |
| 99 | Synthesis of Cr-doped CaTiSiO5 ceramic pigments by spray drying. Materials Research Bulletin, 2009, 44, 918-924. | 5.2 | 15 |
| 100 | Predicting Viscosity and Surface Tension at High Temperature of Porcelain Stoneware Bodies: A Methodological Approach. Materials, 2018, 11, 2475. | 2.9 | 15 |
| 101 | New spectroscopic and diffraction data to solve the vanadium-doped zircon pigment conundrum. Journal of the European Ceramic Society, 2018, 38, 5234-5245. | 5.7 | 15 |
| 102 | Bloating mechanism in lightweight aggregates: Effect of processing variables and properties of the vitreous phase. Construction and Building Materials, 2020, 261, 119980. | 7.2 | 15 |
| 103 | Structural variations of Cr-doped (Y,REE)AlO3 perovskites. Zeitschrift Fur Kristallographie - Crystalline Materials, 2005, 220, 930-937. | 0.8 | 14 |
| 104 | Tiâ€“Caâ€“Al-doped YCrO3 pigments: XRD and UVâ€“vis investigation. Materials Research Bulletin, 2009, 44, 666-673. | 5.2 | 13 |
| 105 | Appraisal of microwave-assisted ion-exchange in mordenite by crystal structure analysis. Journal of Porous Materials, 2012, 19, 361-368. | 2.6 | 13 |
| 106 | Multiple approach to test nano TiO2 photo-activity. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 292, 26-33. | 3.9 | 13 |
| 107 | High-performance yellow ceramic pigments Zr(Ti1âˆ’xâˆ’ySnxâˆ’yVyMy)O4 (M=Al, In, Y): Crystal structure, colouring mechanism and technological properties. Materials Research Bulletin, 2007, 42, 64-76. | 5.2 | 12 |
| 108 | The crystal structure of Sr-hardystonite, Sr2ZnSi2O7. Zeitschrift FÃ¼r Kristallographie, 2010, 225, 298-301. | 1.1 | 12 |

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| 109 | Characteristics and rheological behaviour of spray-dried powders for porcelain stoneware slabs. Journal of the European Ceramic Society, 2018, 38, 4118-4126. | 5.7 | 12 |
| 110 | Recycling mining and construction wastes as temper in clay bricks. Applied Clay Science, 2021, 209, 106152. | 5.2 | 12 |
| 111 | Ceramisation of hazardous elements: Benefits and pitfalls of the inertisation through silicate ceramics. Journal of Hazardous Materials, 2022, 423, 126851. | 12.4 | 12 |
| 112 | Clayey materials from the Sierra de la Demanda Range (Spain): their potential as raw materials for the building ceramics industry. Clay Minerals, 2005, 40, 25-41. | 0.6 | 12 |
| 113 | Genesis of the La Espingarda kaolin deposit in Patagonia. Applied Clay Science, 2010, 47, 290-302. | 5.2 | 11 |
| 114 | Cr-doped perovskite and rutile pigments derived from industrial by-products. Chemical Engineering Journal, 2011, 171, 1178-1184. | 12.7 | 11 |
| 115 | Structural stability, cation ordering, and local relaxation along the AlNbO4-Al0.5Cr0.5NbO4 join. American Mineralogist, 2012, 97, 910-917. | 1.9 | 11 |
| 116 | Compositional and chromatic properties of strontium hexaferrite as pigment for ceramic bodies and alternative synthesis from wiredrawing sludge. Dyes and Pigments, 2013, 96, 659-664. | 3.7 | 11 |
| 117 | Genesis and mining potential of kaolin deposits in Patagonia (Argentina). Applied Clay Science, 2016, 131, 44-47. | 5.2 | 11 |
| 118 | Colour of Ca(Co Mg1-)Si2O6 pyroxenes and their technological behaviour as ceramic colorants. Ceramics International, 2018, 44, 12745-12753. | 4.8 | 11 |
| 119 | Pore evolution and compaction behaviour of spray-dried bodies for porcelain stoneware slabs. Journal of the European Ceramic Society, 2018, 38, 4127-4136. | 5.7 | 11 |
| 120 | Recycling of bottom ash from biomass combustion in porcelain stoneware tiles: Effects on technological properties, phase evolution and microstructure. Journal of the European Ceramic Society, 2022, 42, 5153-5163. | 5.7 | 11 |
| 121 | Heterocoagulation-spray drying process for the inclusion of ceramic pigments. Journal of the European Ceramic Society, 2008, 28, 169-176. | 5.7 | 10 |
| 122 | Novel Inorganic Products Based on Industrial Wastes. Waste and Biomass Valorization, 2014, 5, 385-392. | 3.4 | 10 |
| 123 | Glassy wastes as feldspar substitutes in porcelain stoneware tiles: Thermal behaviour and effect on sintering process. Materials Chemistry and Physics, 2020, 256, 123613. | 4.0 | 10 |
| 124 | Use of screen glass and polishing sludge in waste-based expanded aggregates for resource-saving lightweight concrete. Journal of Cleaner Production, 2022, 332, 130089. | 9.3 | 10 |
| 125 | Powder rheology and compaction behavior of novel micro-granulates for ceramic tiles. Powder Technology, 2020, 374, 111-120. | 4.2 | 9 |
| 126 | Local structural relaxation around Co2+ along the hardystoniteâ€“Co-Ã¥kermanite melilite solid solution. Physics and Chemistry of Minerals, 2012, 39, 713-723. | 0.8 | 7 |

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| 127 | Phase transitions during compression of thaumasite, Ca<sub>3</sub>Si(OH)<sub>6</sub>(CO<sub>3</sub>)(SO<sub>4</sub>)Â·12H<sub>2</sub>O: A high-pressure synchrotron powder X-ray diffraction study. Mineralogical Magazine, 2014, 78, 1193-1208. | 1.4 | 7 |
| 128 | On the structural relaxation around Cr3+ along binary solid solutions. European Journal of Mineralogy, 2014, 26, 359-370. | 1.3 | 7 |
| 129 | Resistance to impact of porcelain stoneware tiles. Ceramics International, 2016, 42, 5731-5736. | 4.8 | 6 |
| 130 | Cobalt chromite nano pigments synthesis through microwave-assisted polyol route. Journal of Sol-Gel Science and Technology, 2017, 83, 590-595. | 2.4 | 6 |
| 131 | Encapsulation of cationic iridium(iii) tetrazole complexes into a silica matrix: synthesis, characterization and optical properties. New Journal of Chemistry, 2018, 42, 9635-9644. | 2.8 | 6 |
| 132 | Technological behavior of porcelain stoneware bodies with Egyptian syenites. International Journal of Applied Ceramic Technology, 2019, 16, 574-584. | 2.1 | 6 |
| 133 | Recycling Construction and Demolition Residues in Clay Bricks. Applied Sciences (Switzerland), 2021, 11, 8918. | 2.5 | 6 |
| 134 | Use of zirconium oxychloride to neutralize HF in the microwave-assisted acid dissolution of ceramic glazes for their chemical analysis by ICP-OES. Talanta, 1998, 45, 1201-1210. | 5.5 | 5 |
| 135 | Locked octahedral tilting in orthorhombic perovskites: At the boundary of the general rule predicting phase transitions. Physical Review B, 2017, 95, . | 3.2 | 5 |
| 136 | DeformaÃ§Ã£o PiroplÃ¡stica de Porcelanatos. CerÃ¢mica Industrial, 2014, 19, 13-17. | 0.1 | 5 |
| 137 | Temperature-resolved synchrotron X-ray diffraction of nanocrystalline titania in solvent: the effect of Crâ€"Sb and Vâ€"Sb doping. Journal of Nanoparticle Research, 2011, 13, 711-719. | 1.9 | 4 |
| 138 | Sericite instead of feldspar in porcelain stoneware: Effect on sintering and phase evolution. International Journal of Applied Ceramic Technology, 2022, 19, 612-622. | 2.1 | 4 |
| 139 | Vitrification of basalt orthostats and mud building components from Tilmen HÃ¶yÃ¼k (south-eastern) Tj ETQq1 1 0.784314 rgBT /Ov 488-498. | 2.4 | 3 |
| 140 | Environmental suitability of ceramic raw materials: a geochemical approach to volatile emissions and leaching potentials. Environmental Earth Sciences, 2012, 65, 517-523. | 2.7 | 3 |
| 141 | Structural relaxation around Cr3+ at the Na(Al1-xCrx)P2O7 octahedral site: an XRPD and EAS study. Zeitschrift Fur Kristallographie - Crystalline Materials, 2014, 229, . | 0.8 | 3 |
| 142 | Improving the sustainability of ceramic tile-making by mixing spray-dried and dry-granulated powders. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 325-335. | 1.9 | 3 |
| 143 | Effect of scale-up on the properties of PCM-impregnated tiles containing glass scraps. Case Studies in Construction Materials, 2021, 14, e00526. | 1.7 | 3 |
| 144 | Next neighbors effect along the Caâ€"Srâ€"Ba-Ã¥kermanite join: Long-range vs. short-range structural features. Journal of Solid State Chemistry, 2013, 202, 134-142. | 2.9 | 2 |

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| 145 | Zeolites and modified clays in environmentally sustainable building materials. , 2019, , 289-307. | | 2 |
| 146 | Basic Guidelines for Prospecting and Technological Assessment of Clays for the Ceramic Industry, Part 1. InterCeram: International Ceramic Review, 2021, 70, 36-46. | 0.2 | 2 |
| 147 | Photocatalytic, highly hydrophilic porcelain stoneware slabs. IOP Conference Series: Materials Science and Engineering, 2011, 18, 222022. | 0.6 | 1 |
| 148 | Powder Granulation and Compaction. , 2021, , 136-145. | | 1 |
| 149 | Improving the frost resistance of roof tiles beyond current prediction schemes. Open Ceramics, 2022, 10, 100249. | 2.0 | 1 |
| 150 | Expanded clays in water treatment: some alternative filtration media. Rendiconti Online Societa Geologica Italiana, 0, 39, 159-162. | 0.3 | 0 |