Esther EnrÃquez

List of Publications by Year
in descending order

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32 papers	468 citations	687363 13 h-index	752698 20 g-index
32 all docs	32 docs citations	32 times ranked	540 citing authors

#	Article	IF	Citations
1	New strategy to mitigate urban heat island effect: Energy saving by combining high albedo and low thermal diffusivity in glass ceramic materials. Solar Energy, 2017, 149, 114-124.	6.1	44
2	Highly conductive coatings of carbon black/silica composites obtained by a solâ€“gel process. Carbon, 2012, 50, 4409-4417.	10.3	41
3	ZnO Nanoporous Spheres with Broad-Spectrum Antimicrobial Activity by Physicochemical Interactions. ACS Applied Nano Materials, 2018, 1, 3214-3225.	5.0	39
4	Hierarchical micro-nanostructured albite-based glass-ceramic for high dielectric strength insulators. Journal of the European Ceramic Society, 2018, 38, 2759-2766.	5.7	31
5	A low-energy milling approach to reduce particle size maintains the luminescence of strontium aluminates. RSC Advances, 2015, 5, 42559-42567.	3.6	30
6	Conductive coatings with low carbon-black content by adding carbon nanofibers. Composites Science and Technology, 2014, 93, 9-16.	7.8	26
7	Enhanced wear resistance of engineered glass-ceramic by nanostructured self-lubrication. Materials and Design, 2019, 168, 107623.	7.0	23
8	Engineered feldspar-based ceramics: A review of their potential in ceramic industry. Journal of the European Ceramic Society, 2022, 42, 307-326.	5.7	21
9	Tailoring of the electrical properties of carbon blackâ€“silica coatings for de-icing applications. Ceramics International, 2015, 41, 2735-2743.	4.8	17
10	Characterization of Carbon Nanoparticles in Thin-Film Nanocomposites by Confocal Raman Microscopy. Journal of Physical Chemistry C, 2014, 118, 10488-10494.	3.1	16
11	Enhanced luminescence in rare-earth-free fast-sintering glass-ceramic. Optica, 2019, 6, 668.	9.3	16
12	Study of the crystallization in fast sintered Na-rich plagioclase glass-ceramic. Ceramics International, 2019, 45, 8899-8907.	4.8	14
13	Microstructural study of dielectric breakdown in glass-ceramics insulators. Journal of the European Ceramic Society, 2019, 39, 376-383.	5.7	14
14	Towards more sustainable building based on modified Portland cements through partial substitution by engineered feldspars. Construction and Building Materials, 2021, 269, 121334.	7.2	13
15	The challenge of antimicrobial glazed ceramic surfaces. Ceramics International, 2022, 48, 7393-7404.	4.8	13
16	Tunable UV/blue luminescence in rare-earth free glass-ceramic phosphor. Journal of the European Ceramic Society, 2019, 39, 3221-3228.	5.7	12
17	Absence of surface flaking in hierarchical glass-ceramic coating: High impact resistant ceramic tiles. Journal of the European Ceramic Society, 2019, 39, 4450-4456.	5.7	11
18	Ceramic Injection Moulding of engineered glass-ceramics: Boosting the rare-earth free photoluminescence. Ceramics International, 2020, 46, 9334-9341.	4.8	11

#	Article	IF	Citations
19	Multifunctional ZnO/Fe-O and graphene oxide nanocomposites: Enhancement of optical and magnetic properties. Journal of the European Ceramic Society, 2017, 37, 3747-3758.	5.7	8
20	Structural insights of hierarchically engineered feldspars by confocal Raman microscopy. Journal of Raman Spectroscopy, 2019, 50, 741-754.	2.5	8
21	Improvement of thermal efficiency in cement mortars by using synthetic feldspars. Construction and Building Materials, 2021, 269, 121279.	7.2	8
22	Nanostructured Au(111)/Oxide Epitaxial Heterostructures with Tailoring Plasmonic Response by a One-Step Strategy. Journal of Physical Chemistry C, 2019, 123, 25294-25302.	3.1	7
23	Tailoring dielectric properties of cordierite-mullite ceramics through Ceramic Injection Moulding. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 262, 114783.	3.5	7
24	Chloride binding capacity of metakaolin and nanosilica supplementary pozzolanic cementitious materials in aqueous phase. Construction and Building Materials, 2021, 298, 123903.	7.2	7
25	Transparent high conductive Titanium oxynitride nanofilms obtained by nucleation control for sustainable optolectronics. Applied Surface Science, 2022, 574, 151631.	6.1	7
26	Evaluation of the interaction of solar radiation with colored glasses and its thermal behavior. Journal of Non-Crystalline Solids, 2022, 579, 121376.	3.1	6
27	Effective Airâ€Spray Deposition of Thin Films Obtained by Solâ€“Gel Process onto Complex Pieces of Sanitary Ware. Journal of the American Ceramic Society, 2016, 99, 72-78.	3.8	5
28	Alkali-activated and hybrid materials: Alternative to Portland cement as a storage media for solar thermal energy. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2023, 62, 160-173.	1.9	5
29	Quinine doped hybrid solâ€“gel coatings for wave guiding and optical applications. Journal of Sol-Gel Science and Technology, 2012, 62, 324-332.	2.4	2
30	Determination of effective electrode configuration for electrical measurements of carbon thin conductive coatings. Materials Science in Semiconductor Processing, 2014, 23, 110-114.	4.0	2
31	Efficient encapsulation of low dimensional particles in thin films to obtain functional coatings. Materials and Design, 2016, 104, 87-94.	7.0	2
32	Model to evaluate the thermal comfort factor: Dynamic measurement of heat flow in building materials. Journal of Building Engineering, 2018, 20, 344-352.	3.4	2