Sergio Yesid GÃ³mez GonzÃ¡lez

List of Publications by Year
in descending order

26 papers	722 citations	687363 13 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	954 citing authors

#	ARTICLE	IF	CITATIONS
1	Current developments in reversible solid oxide fuel cells. Renewable and Sustainable Energy Reviews, 2016, 61, 155-174.	16.4	260
2	Transparent ceramic and glass-ceramic materials for armor applications. Ceramics International, 2017, 43, 13031-13046.	4.8	89
3	Synergetic effect of photocatalysis and ozonation for enhanced tetracycline degradation using highly macroporous photocatalytic supports. Chemical Engineering and Processing: Process Intensification, 2020, 149, 107838.	3.6	47
4	Nanocrystalline yttria-doped zirconia sintered by fast firing. Materials Letters, 2016, 166, 196-200.	2.6	38
5	Electrospinning of cellulose using ionic liquids: An overview on processing and applications. European Polymer Journal, 2021, 147, 110283.	5.4	31
6	Adsorption and desorption of water-soluble naphthenic acid in simulated offshore oilfield produced water. Chemical Engineering Research and Design, 2021, 145, 262-272.	5.6	30
7	Predicting powder densification during sintering. Journal of the European Ceramic Society, 2018, 38, 1736-1741.	5.7	24
8	High performance magnetically recoverable Fe3O4 nanocatalysts: fast microwave synthesis and photo-fenton catalysis under visible-light. Chemical Engineering and Processing: Process Intensification, 2021, 166, 108438.	3.6	22
9	Synthesis and oxygen transport properties of La2â^'ySryNi1â^'xMoxO4+Î´. Solid State Ionics, 2016, 292, 38-44.	2.7	19
10	The use of oilfield gaseous byproducts as extractants of recalcitrant naphthenic acids from synthetic produced water. Separation and Purification Technology, 2020, 248, 117123.	7.9	18
11	Relationship between Rheological Behaviour and Final Structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Al</mml:mtext></mml:mrow><mml:mn mathvariant="bold">2</mml:mn></mml:msub><mml:msub><mml:mtext>O</mml:mtext><mml:mn mathvariant="bold">3</mml:mn></mml:msub></mml:mrow></mml:math>and YSZ Foams Produced by Replica. Advances in Materials Science and Engineering, 2012, 2012, 1-9.	1.8	16
12	Harsh environment resistant - antibacterial zinc oxide/Polyetherimide electrospun composite scaffolds. Materials Science and Engineering C, 2019, 103, 109859.	7.3	16
13	Are TiO₂ nanoparticles safe for photocatalysis in aqueous media?. Nanoscale Advances, 2020, 2, 4951-4960.	4.6	14
14	ZrO2 foams for porous radiant burners. Journal of Materials Science, 2009, 44, 3466-3471.	3.7	13
15	Perovskite-based Ca-Ni-Fe oxides for azo pollutants fast abatement through dark catalysis. Applied Catalysis B: Environmental, 2021, 284, 119747.	20.2	13
16	Eco-Friendly Manufacturing of Nano-TiO2 Coated Cotton Textile with Multifunctional Properties. Fibers and Polymers, 2020, 21, 90-102.	2.1	12
17	Treatment of real oilfield produced water by liquid-liquid extraction and efficient phase separation in a mixer-settler based on phase inversion. Chemical Engineering Journal, 2021, 417, 127926.	12.7	12
18	Biopolymer-hydrophobic drug fibers and the delivery mechanisms for sustained release applications. European Polymer Journal, 2019, 112, 400-410.	5.4	11

#	Article	IF	Citations
19	Enhanced LSCF oxygen deficiency through hydrothermal synthesis. Ceramics International, 2018, 44, 20671-20676.	4.8	8
20	Fast microwaveâ€assisted hydrothermal synthesis of TiNb 2 O 7 nanoparticles. International Journal of Ceramic Engineering & Science, 2019, 1, 235-240.	1.2	6
21	Low-energy microwave synthesis and cold sintering of nanograined TiO2-Nb2O5. Materials Letters, 2020, 278, 128418.	2.6	5
22	Electrospun Polycaprolactone Scaffolds Using an Ionic Liquid as Alternative Solvent: Morphometric, Mechanical and Biological Properties. ChemistrySelect, 2020, 5, 14050-14055.	1.5	5
23	High heating rate sintering and microstructural evolution assessment using the discrete element method. Open Ceramics, 2021, 8, 100182.	2.0	5
24	Fast-fired, nanograined titanium niobate (TiNb2O7) with enhanced dielectric properties. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114650.	3.5	4
25	SiOC and SiCN-based ceramic supports for catalysts and photocatalysts. Microporous and Mesoporous Materials, 2021, 327, 111435.	4.4	3
26	Ultrafast reactionâ€sintering of grain sizeâ€controlled titanium niobate from TiO 2 and Nb 2 O 5. International Journal of Ceramic Engineering & Science, 0, , .	1.2	1