Ram Pyare

List of Publications by Year
in descending order

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41 papers	615 citations	687363 13 h-index	642732 23 g-index
42 all docs	42 docs citations	42 times ranked	569 citing authors

#	Article	IF	Citations
1	Mechanochemical and in vitro cytocompatibility evaluation of zirconia modified silver substituted 1393 bioactive glasses. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2022, 61, 64-75.	1.9	5
2	CuO assisted borate 1393B3 glass scaffold with enhanced mechanical performance and cytocompatibility: An In vitro study. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 114, 104231.	3.1	15
3	In-vitro analysis of bioactivity, hemolysis, and mechanical properties of Zn substituted Calcium Zirconium silicate (baghdadite). Ceramics International, 2021, 47, 16037-16053.	4.8	9
4	Performance analysis of deep bed drying of canola seeds using numerical technique. Journal of Stored Products Research, 2021, 94, 101891.	2.6	1
5	Synthesis, Characterization, and Ionic Conductivity Studies of Simultaneously Substituted K- and Ga-Doped BaZrO3. ACS Omega, 2021, 6, 30327-30334.	3.5	3
6	Design analysis of continuous counter-current deep bed drying of corn through modeling and simulation and validation with experiment. , 2021, , .		0
7	A comparative study of physico-mechanical, bioactivity and hemolysis properties of pseudo-wollastonite and wollastonite glass-ceramic synthesized from solid wastes. Ceramics International, 2020, 46, 833-843.	4.8	38
8	ZnO modified 1393 bioactive scaffolds with enhanced cytocompatibility and mechanical performance. Ceramics International, 2020, 46, 6703-6713.	4.8	11
9	SrO assisted 1393 glass scaffold with enhanced biological compatibility. Journal of Non-Crystalline Solids, 2020, 550, 120392.	3.1	7
10	Mechanical and biological response of (CeO2+La2O3)-substituted 45S5 bioactive glasses for biomedical application. Journal of the Australian Ceramic Society, 2020, 56, 1243-1252.	1.9	13
11	Synthesis, characterization, mechanical and biological properties of biocomposite based on zirconia containing 1393 bioactive glass with hydroxyapatite. Ceramics International, 2020, 46, 10442-10451.	4.8	27
12	KTa_{1â€“xâ€“y}Ti_xGe_yO_{3â^Î´}: A High Î¤ Relaxor Dielectric and Superior Oxide-Ion Electrolyte for IT-SOFC. ACS Applied Energy Materials, 2020, 3, 3205-3211.	5.1	8
13	Fabrication of Nano-petals Zn0.97Cu0.03O Thin Film and Application in Methane Sensing. Lecture Notes in Electrical Engineering, 2020, , 427-433.	0.4	2
14	Preparation and in vitro investigation on bioactivity of magnesia-contained bioactive glasses. Journal of the Australian Ceramic Society, 2019, 55, 145-155.	1.9	7
15	Enhanced in vivo biocompatibility of magnesia-contained bioactive glasses. Journal of the Australian Ceramic Society, 2019, 55, 337-342.	1.9	0
16	Effect of sintering on physical, mechanical, and electrical properties of alumina-based porcelain insulator using economic raw materials doped with zirconia. Journal of the Australian Ceramic Society, 2019, 55, 987-997.	1.9	14
17	Investigating in vitro bioactivity, magnetic and mechanical properties of iron and cobalt oxide reinforced (45S5-HA) biocomposite. Journal of the Australian Ceramic Society, 2018, 54, 411-421.	1.9	5
18	Effect of ZrO2 on the sintering behavior, strength and high-frequency dielectric properties of electrical ceramic porcelain insulator. Materials Research Express, 2018, 5, 015202.	1.6	12

#	Article	IF	Citations
19	Influence of alumina and silica addition on the physico-mechanical and dielectric behavior of ceramic porcelain insulator at high sintering temperature. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2018, 57, 151-159.	1.9	38
20	A Nanoâ€Wrinkled Zn 0.92 Fe 0.08 O Thin Film Developed Using a Highâ€RPM Electroâ€Spin Patterning Technique via Solâ€Gel Route For Methane Sensing. ChemistrySelect, 2018, 3, 11881-11889.	1.5	5
21	Studies on effect of CuO addition on mechanical properties and in vitro cytocompatibility in 1393 bioactive glass scaffold. Materials Science and Engineering C, 2018, 93, 341-355.	7.3	37
22	Developing a high strength physico-mechanical and electrical properties of ceramic porcelain insulator using zirconia as an additive. Materials Research Express, 2018, 5, 075202.	1.6	7
23	Effect of Sm2O3 substitution on mechanical and biological properties of 45S5 bioactive glass. Journal of the Australian Ceramic Society, 2018, 54, 621-630.	1.9	12
24	Destructive and non-destructive behavior of nickel oxide doped bioactive glass and glass-ceramic. Journal of the Australian Ceramic Society, 2017, 53, 939-951.	1.9	8
25	Development of Zirconia Substituted 1393 Bioactive Glass for Orthopaedic Application. Oriental Journal of Chemistry, 2017, 33, 2720-2730.	0.3	13
26	Enhanced bioactivity, biocompatibility and mechanical behavior of strontium substituted bioactive glasses. Materials Science and Engineering C, 2016, 69, 108-116.	7.3	63
27	Assessment of nickel oxide substituted bioactive glass-ceramic on in vitro bioactivity and mechanical properties. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2016, 55, 228-238.	1.9	30
28	Effect of Cobalt Oxide Substitution on Mechanical Behaviour and Elastic Properties of Bioactive Glass and Glass-Ceramics. Transactions of the Indian Ceramic Society, 2016, 75, 12-19.	1.0	13
29	Effect of nickel oxide substitution on bioactivity and mechanical properties of bioactive glass. Bulletin of Materials Science, 2016, 39, 1355-1361.	1.7	12
30	Bioactivity and mechanical behaviour of cobalt oxide-doped bioactive glass. Bulletin of Materials Science, 2015, 38, 957-964.	1.7	33
31	Influence of barium substitution on bioactivity, thermal and physico-mechanical properties of bioactive glass. Materials Science and Engineering C, 2015, 49, 549-559.	7.3	55
32	<I>In Vitro</I> Bioactivity and Physicalâ€“Mechanical Properties of MnO₂ Substituted 45S5 Bioactive Glasses and Glass-Ceramics. Journal of Biomaterials and Tissue Engineering, 2012, 2, 249-258.	0.1	28
33	Leachability of Iron Ions from Binary and Ternary Phosphate Glasses. Transactions of the Indian Ceramic Society, 2009, 68, 23-30.	1.0	0
34	Leachability of Molybdenum from Ternary Phosphate Glasses. Journal of the American Ceramic Society, 1996, 79, 1329-1334.	3.8	24
35	Free oxygen ion activity in binary alkali silicate glasses. Journal of Non-Crystalline Solids, 1991, 128, 154-161.	3.1	12
36	Simple and rapid spectrophotometric method for the determination of tin(II) in binary alkali silicate glasses. Analyst, The, 1985, 110, 1321.	3.5	8

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37	Kinetics and thermodynamics of ferrous-ferric equilibrium in sodium aluminoborate glasses. Journal of Non-Crystalline Solids, 1984, 69, 59-67.	3.1	4
38	Stannous-Stannic Equilibrium in Molten Binary Alkali Silicate and Ternary Silicate Glasses. Journal of the American Ceramic Society, 1982, 65, 549-554.	3.8	25
39	<i>In Vitro</i> Bioactivity and Physical-Mechanical Properties of HA Based 45S5 Bio-Composites. Key Engineering Materials, 0, 702, 83-90.	0.4	1
40	Synthesis and Characterization of Cerium- and Lanthanum Containing Bioactive Glass. Key Engineering Materials, 0, 751, 617-628.	0.4	7
41	Synthesis and Characterization of Bioactive-Glass Ceramics. Ceramic Engineering and Science Proceedings, 0, , 83-94.	0.1	3