Iis Sopyan

List of Publications by Year in descending order

55 papers	1,088 citations	759233 12 h-index	434195 31 g-index
55 all docs	55 docs citations	55 times ranked	1223 citing authors

#	Article	IF	Citations
1	An efficient TiO2 thin-film photocatalyst: photocatalytic properties in gas-phase acetaldehyde degradation. Journal of Photochemistry and Photobiology A: Chemistry, 1996, 98, 79-86.	3.9	400
2	Highly Efficient TiO2Film Photocatalyst. Degradation of Gaseous Acetaldehyde. Chemistry Letters, 1994, 23, 723-726.	1.3	137
3	Preparation and characterization of porous hydroxyapatite through polymeric sponge method. Ceramics International, 2009, 35, 3161-3168.	4.8	80
4	Efficient TiO2Powder and Film Photocatalysts with Rutile Crystal Structure. Chemistry Letters, 1996, 25, 69-70.	1.3	52
5	Kinetic analysis on photocatalytic degradation of gaseous acetaldehyde, ammonia and hydrogen sulfide on nanosized porous TiO2films. Science and Technology of Advanced Materials, 2007, 8, 33-39.	6.1	49
6	Nanosized TiO₂Photocatalyst Powder via Sol-Gel Method: Effect of Hydrolysis Degree on Powder Properties. International Journal of Photoenergy, 2009, 2009, 1-8.	2.5	45
7	Recent Progress on the Development of Porous Bioactive Calcium Phosphate for Biomedical Applications. Recent Patents on Biomedical Engineering, 2008, 1, 213-229.	0.5	35
8	Porous ceramics with controllable properties prepared by protein foaming-consolidation method. Journal of Porous Materials, 2011, 18, 195-203.	2.6	27
9	Synthesis of polytitanosiloxanes and their transformation to SiO2â€“TiO2 ceramic fibers. Journal of Polymer Science Part A, 1994, 32, 3133-3139.	2.3	21
10	Development of Porous Calcium Phosphate Bioceramics for Bone Implant Applications: A Review. Recent Patents on Materials Science, 2013, 6, 238-252.	0.5	19
11	Optimization of ultraviolet ozone treatment process for improvement of polycaprolactone (PCL) microcarrier performance. Cytotechnology, 2017, 69, 601-616.	1.6	17
12	Mechanochemical Synthesis of Nanosized Hydroxyapatite Powder and its Conversion to Dense Bodies. Materials Science Forum, 0, 694, 118-122.	0.3	14
13	Ultraviolet/ozone treated polystyrene microcarriers for animal cell culture. Journal of Chemical Technology and Biotechnology, 2016, 91, 2607-2619.	3.2	13
14	Mechanochemical Synthesis of Magnesium Doped Hydroxyapatite: Powder Characterization. Applied Mechanics and Materials, 0, 372, 62-65.	0.2	11
15	Application of Low Cost Polyurethane (PU) Foam for Fabricating Porous Tri-Calcium Phosphate (TCP). Journal of Biomimetics, Biomaterials, and Tissue Engineering, 0, 8, 1-7.	0.7	10
16	Surface Modification of Polystyrene Beads by UV/Ozone Treatment. Advanced Materials Research, 0, 264-265, 1532-1537.	0.3	10
17	Floating porous alumina from protein foaming-consolidation technique for cell culture application. Ceramics International, 2012, 38, 5287-5291.	4.8	9
18	Synthesis and Properties of Biphasic Calcium Phosphate Prepared by Different Methods. Advanced Materials Research, 0, 970, 20-25.	0.3	9

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19	Preparation, scratch adhesion and anti-corrosion performance of TiO₂-MgO-BHA coating on Ti6Al4V implant by plasma electrolytic oxidation technique. Journal of Adhesion Science and Technology, 2018, 32, 91-102.	2.6	9
20	EFFECT OF THE PROCESSING PARAMETERS ON THE INTEGRITY OF CALCIUM PHOSPHATE COATINGS PRODUCED BY RF-MAGNETRON SPUTTERING. International Journal of Modern Physics B, 2009, 23, 5811-5818.	2.0	8
21	Mechanochemical Synthesis of Hydroxyapatite Nanopowder: Effects of Rotation Speed and Milling Time on Powder Properties. Applied Mechanics and Materials, 0, 110-116, 3639-3644.	0.2	8
22	Doping Metal into Calcium Phosphate Phase for Better Performance of Bone Implant Materials. Recent Patents on Materials Science, 2012, 5, 18-47.	0.5	8
23	Sodium-Doped Hydroxyapatite Nanopowder through Sol-Gel Method: Synthesis and Characterization. Materials Science Forum, 0, 694, 128-132.	0.3	6
24	Phase behaviour of manganeseâ€doped biphasic calcium phosphate ceramics synthesized via solâ€gel method. Asia-Pacific Journal of Chemical Engineering, 2011, 6, 823-831.	1.5	6
25	Porous alumina through protein foamingâ€“consolidation method: effect of dispersant concentration on the physical properties. Asia-Pacific Journal of Chemical Engineering, 2011, 6, 863-869.	1.5	6
26	Recent Progress on Development of TiO2 Thin Film Photocatalysts for Pollutant Removal. Recent Patents on Materials Science, 2009, 2, 88-111.	0.5	6
27	Synthesis of High Fracture Toughness of Hydroxyapatite Bioceramics. Advanced Materials Research, 0, 264-265, 1849-1855.	0.3	5
28	Sintering of Hydroxyapatite Ceramic Produced by Wet Chemical Method. Advanced Materials Research, 0, 264-265, 1856-1861.	0.3	5
29	Recent Developments on Injectable Calcium Phosphate Bone Cement. Recent Patents on Materials Science, 2017, 9, 72-94.	0.5	5
30	Dense Manganese Doped Biphasic Calcium Phosphate for Load Bearing Bone Implants. Advanced Materials Research, 2010, 93-94, 393-396.	0.3	4
31	Concentration Effect of Aqueous Synthesis on Biphasic Hydroxyapatite â€“ Î²-Tricalcium Phosphate Composition. Advanced Materials Research, 0, 93-94, 405-408.	0.3	4
32	Recent Progress on Hydroxyapatite-Based Dense Biomaterials for Load Bearing Bone Substitutes. Recent Patents on Materials Science, 2011, 4, 63-80.	0.5	4
33	Sol-Gel Synthesis of Zn Doped HA Powders and their Conversion to Porous Bodies. Applied Mechanics and Materials, 0, 493, 603-608.	0.2	4
34	Carbon nanotubes grown on oil palm shell powdered activated carbon as less hazardous and cheap substrate. Applied Nanoscience (Switzerland), 2018, 8, 1767-1779.	3.1	4
35	Effect of Slurry Preparation on Physical Properties of Porous Hydroxyapatite Prepared via Polymeric Sponge Method. Advanced Materials Research, 0, 47-50, 932-935.	0.3	3
36	Fabrication and Characterization of Strontium-Doped Hydroxyapatite Bioceramics Scaffolds for Bone Implant Application: A Preliminary Study. Advanced Materials Research, 2010, 93-94, 401-404.	0.3	3

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37	Effect of Nano Silica on the Sinterability of Hydroxyapatite Dense Bodies. Advanced Materials Research, 2011, 264-265, 1832-1838.	0.3	3
38	Pressureless Sintering of Electro-Conductive Zirconia Composites. Materials Science Forum, 2011, 694, 304-308.	0.3	3
39	The Effects of Calcium Excess, Water Amount and Mixing Time on the Injectability of Calcium Phosphate Filling Materials. Applied Mechanics and Materials, 0, 110-116, 8-12.	0.2	3
40	Effect of hydroxyapatite and tricalcium phosphate addition on protein foaming-consolidation porous alumina. Journal of Porous Materials, 2012, 19, 733-743.	2.6	3
41	Development of Triphasic Calcium Phosphateâ€“Carbon Nanotubes (HA/TCP-CNT) Composite: A Preliminary Study. Key Engineering Materials, 2012, 531-532, 258-261.	0.4	3
42	Effect of poly(ethylene glycol) on the injectability, setting behavior and mechanical properties of calcium phosphate bone cement. IIUM Engineering Journal, 2018, 19, 192-202.	0.8	3
43	Porous Alumina through Protein Foaming-Consolidation Method: Effect of Stirring Time and Drying Temperature on the Physical Properties. Advanced Materials Research, 0, 93-94, 397-400.	0.3	2
44	Dependence of the Fracture Toughness on the Sintering Time of Dense Hydroxyapatite Bioceramics. Materials Science Forum, 2011, 694, 391-395.	0.3	2
45	Irradiation Modification of Epoxidized Natural Rubber/Ethylene Vinyl Acetate/Carbon Nanotubes Nanocomposites. Advanced Materials Research, 2011, 364, 427-433.	0.3	2
46	Egg Yolk as Pore Creating Agent to Produce Porous Tri-Calcium Phosphate for Bone Implant Application. Advanced Materials Research, 2011, 264-265, 760-764.	0.3	2
47	Cement Bonded Sol-Gel TiO₂ Powder Photocatalysis for Phenol Removal. Applied Mechanics and Materials, 0, 776, 271-276.	0.2	2
48	Preparation of Dense Biphasic Calcium Phosphate Ceramics Using Eggshell Derived Nanopowders. Applied Mechanics and Materials, 0, 110-116, 3645-3649.	0.2	1
49	Effects of Powder Synthesis Method on the Sinterability of Hydroxyapatite. Advanced Materials Research, 2011, 264-265, 1538-1544.	0.3	1
50	Irradiation Modification of Epoxidized Natural Rubber/Ethylene Vinyl Acetate/Carbon Nanotubes Nanocomposites. Advanced Materials Research, 2011, 364, 196-201.	0.3	1
51	Effects of Bismuth Oxide on the Properties of Calcium Phosphate Bioceramics. Advanced Materials Research, 0, 264-265, 1839-1848.	0.3	1
52	Mechanochemical Synthesis of Hydroxyapatite Bioceramics through Two Different Milling Media. Key Engineering Materials, 2012, 531-532, 254-257.	0.4	0
53	Protein Foaming-Consolidation Method for Fabrication of High Performance Porous Bioceramics. Advanced Materials Research, 0, 622-623, 1759-1763.	0.3	0
54	Conversion of Strontium Hydroxyapatite Nanopowders to Porous Scaffolds for Bone Implant Application. Applied Mechanics and Materials, 0, 607, 3-6.	0.2	0

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55	Incorporation of Poly(Vinyl Alcohol) for The Improved Properties of Hydrothermal Derived Calcium Phosphate Cements. Indonesian Journal of Chemistry, 2018, 18, 354.	0.8	0