

# Papiya Biswas

## List of Publications by Year in descending order

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17  
papers

287  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

296  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of parameters on 3D printing of alumina ceramics and evaluation of properties of sintered parts. <i>Journal of Asian Ceramic Societies</i> , 2021, 9, 858-864.	2.3	10
2	3D printing of cordierite honeycomb structures and evaluation of compressive strength under quasi-static condition. <i>International Journal of Applied Ceramic Technology</i> , 2020, 17, 211-216.	2.1	10
3	Studies on correlation of surface properties, colloidal shaping and transparency of magnesium aluminate spinel powder. <i>Materials Chemistry and Physics</i> , 2020, 252, 123372.	4.0	5
4	Comparative evaluation of electrical conductivity of hydroxyapatite ceramics densified through ramp and hold, spark plasma and post sinter Hot Isostatic Pressing routes. <i>Materials Science and Engineering C</i> , 2017, 70, 364-370.	7.3	25
5	Fabrication of MgAl <sub>2</sub> O <sub>4</sub> Spinel Scaffolds and Sonochemical Synthesis and Deposition of Hydroxyapatite Nanorods. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1544-1549.	3.8	12
6	Quasi-static compression behavior of nickel oxide, nickel oxide:zirconia, nickel:zirconia and nickel foams. <i>Ceramics International</i> , 2016, 42, 10572-10578.	4.8	11
7	Prediction and validation of buckling stress ( $\bar{\sigma}_{cr}$ ) of the ceramic honeycomb cell walls under quasi-static compression. <i>Cogent Engineering</i> , 2016, 3, 1168068.	2.2	6
8	Effect of Fuel Concentration on the Properties of Combustion Synthesized MgAl <sub>2</sub> O <sub>4</sub> Spinel Powders. <i>Transactions of the Indian Ceramic Society</i> , 2014, 73, 303-306.	1.0	1
9	High Temperature Flexural Strength and Thermal Stability of Near Zero Expanding doped Aluminum Titanate Ceramics for Diesel Particulate Filters Applications. <i>International Journal of Applied Ceramic Technology</i> , 2014, 11, 773-782.	2.1	27
10	Hot Isostatic Pressing of ZnS Powder and CVD ZnS Ceramics: Comparative Evaluation of Physico-chemical, Microstructural and Transmission Properties. <i>Transactions of the Indian Ceramic Society</i> , 2014, 73, 299-302.	1.0	13
11	Colloidal Shaping of 8Åmol% Y <sub>2</sub> O <sub>3</sub> Stabilized Zirconia Electrolyte Honeycomb Structures by Microwave Assisted Thermal Gelation of Methyl Cellulose. <i>International Journal of Applied Ceramic Technology</i> , 2014, 11, 154-163.	2.1	5
12	Flow properties of spray dried alumina granules using powder flow analysis technique. <i>Advanced Powder Technology</i> , 2013, 24, 667-673.	4.1	26
13	Fabrication of Transparent Spinel Honeycomb Structures by Methyl Cellulose Based Thermal Gelation Processing. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3042-3045.	3.8	10
14	Transparent Polycrystalline Ceramics: An Overview. <i>Transactions of the Indian Ceramic Society</i> , 2012, 71, 73-85.	1.0	44
15	Colloidal Shaping of Alumina Ceramics by Thermally Induced Gelation of Methylcellulose. <i>Journal of the American Ceramic Society</i> , 2011, 94, 749-753.	3.8	23
16	Processing of Aluminum Oxynitride Through Aqueous Colloidal Forming Techniques. <i>Journal of the American Ceramic Society</i> , 2010, 93, 429-435.	3.8	28
17	Thermal anisotropy in sintered cordierite monoliths. <i>Materials Chemistry and Physics</i> , 2001, 67, 140-145.	4.0	31