

# Papiya Biswas

## List of Publications by Year in descending order

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17  
papers

287  
citations

933447

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h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

296  
citing authors

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