

Dr Vinay Pratap Singh

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

472
citations

687220

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677027

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24
all docs

24
docs citations

24
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface crystallization of BiOCl on $2\text{Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses for photocatalytic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 10520-10531.	1.1	5
2	Pyroelectric performance of $[\text{Bi}_{0.48}\text{Na}_{0.4032}\text{K}_{0.0768}]\text{Sr}_{0.04}(\text{Ti}_{0.975}\text{Nb}_{0.025})\text{O}_3$ ceramics. Journal of the Australian Ceramic Society, 2020, 56, 395-402.	1.1	1
3	Anticorrosion and electromagnetic interference shielding behavior of candle soot-based epoxy coating. Journal of Applied Polymer Science, 2020, 137, 48678.	1.3	8
4	The characteristics of BiOCl/Plaster of Paris composites and their photocatalytic performance under visible light illumination for self-cleaning. Materials Science for Energy Technologies, 2020, 3, 299-307.	1.0	6
5	Pyroelectric energy harvesting for dye decolorization using $\text{Ba}_{0.9}\text{Ca}_{0.1}\text{TiO}_3$ ceramics. Journal of Applied Physics, 2020, 128, .	1.1	13
6	Transparent ZnO crystallized glass ceramics for photocatalytic and antibacterial applications. Journal of Applied Physics, 2019, 125, .	1.1	28
7	Controlled crystallization of BiOCl/BiF ₃ on $\text{ZnO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glass surfaces for photocatalytic and self-cleaning applications. Materialia, 2019, 5, 100196.	1.3	13
8	Antibacterial and photocatalytic active transparent TiO_2 crystallized $\text{CaO-BaO-B}_2\text{O}_3\text{-Al}_2\text{O}_3$ TiO_2 -ZnO glass nanocomposites. Journal of the American Ceramic Society, 2019, 102, 3378-3390.		26
9	Large Gain in Pyroelectric Energy Conversion through a Candle Soot Coating. Energy Technology, 2018, 6, 950-955.	1.8	8
10	Structural and photocatalytic performance of $(\text{Ba,Ca})\text{TiO}_3$ $\text{Ba}(\text{Sn,Ti})\text{O}_3$ ferroelectric ceramics. Materials Science in Semiconductor Processing, 2018, 79, 153-160.	1.9	10
11	Solar light induced antibacterial performance of TiO_2 crystallized glass ceramics. International Journal of Applied Glass Science, 2018, 9, 480-486.	1.0	11
12	Lead-Free Pyroelectric Materials for Thermal Energy Harvesting: A Comparative Study. Energy Technology, 2018, 6, 943-949.	1.8	12
13	Hierarchical growth of BiOCl on $\text{SrO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ glass-ceramics for self-cleaning applications. Journal of the American Ceramic Society, 2018, 101, 2901-2913.	1.9	14
14	Controlled crystallization of photocatalytic active Bismuth oxyfluoride/Bismuth fluoride on $\text{SrO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ transparent glass ceramic. Journal of the European Ceramic Society, 2018, 38, 3635-3642.	2.8	16
15	Photocatalytic Active Bismuth Fluoride/Oxyfluoride Surface Crystallized $2\text{Bi}_2\text{O}_3\text{-B}_2\text{O}_3$ Glass-Ceramics. Journal of Electronic Materials, 2018, 47, 3490-3496.	1.0	13
16	Photocatalytic, hydrophobic and antimicrobial characteristics of ZnO nano needle embedded cement composites. Construction and Building Materials, 2018, 158, 285-294.	3.2	91
17	Photocatalytic study on $\text{SrBi}_2\text{B}_2\text{O}_7$ ($\text{SrO-Bi}_2\text{O}_3\text{-B}_2\text{O}_3$) transparent glass ceramics. Materials Research Bulletin, 2018, 99, 453-459.	2.7	34
18	Pyroelectric performance of porous $\text{Ba}_{0.85}\text{Sr}_{0.15}\text{TiO}_3$ ceramics. International Journal of Applied Ceramic Technology, 2018, 15, 140-147.	1.1	22

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19	Candle Soot-Driven Performance Enhancement in Pyroelectric Energy Conversion. Journal of Electronic Materials, 2018, 47, 4721-4730.	1.0	17
20	Enhanced pyroelectric figure of merits of porous BaSn _{0.05} Ti _{0.95} O ₃ ceramics. Journal of the European Ceramic Society, 2017, 37, 3943-3950.	2.8	43
21	Photocatalytic self-cleaning transparent 2Bi ₂ O ₃ -B ₂ O ₃ glass ceramics. Journal of Applied Physics, 2017, 122, 094901.	1.1	14
22	Composition dependent electrocaloric behavior of (Sr _x Ba _{1-x})Nb ₂ O ₆ ceramics. Integrated Ferroelectrics, 2016, 168, 163-169.	0.3	1
23	TiO ₂ microcrystallized glass plate mediated photocatalytic degradation of estrogenic pollutant in water. Journal of Non-Crystalline Solids, 2015, 408, 13-17.	1.5	25
24	Electrical transport characteristics of ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. Ionics, 2013, 19, 99-104.	1.2	41