# Dr Vinay Pratap Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1740339/publications.pdf

Version: 2024-02-01

| 24 | 472 | 687220 13 | 677027 22 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 24 | 24 | 24 | 435 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photocatalytic, hydrophobic and antimicrobial characteristics of ZnO nano needle embedded cement composites. Construction and Building Materials, 2018, 158, 285-294. | 3.2 | 91 |
| 2 | Enhanced pyroelectric figure of merits of porous BaSn0.05Ti0.95O3 ceramics. Journal of the European Ceramic Society, 2017, 37, 3943-3950. | 2.8 | 43 |
| 3 | Electrical transport characteristics of ZnOâ€“Bi2O3â€“B2O3 glasses. Ionics, 2013, 19, 99-104. | 1.2 | 41 |
| 4 | Photocatalytic study on SrBi2B2O7 (SrO-Bi2O3-B2O3) transparent glass ceramics. Materials Research Bulletin, 2018, 99, 453-459. | 2.7 | 34 |
| 5 | Transparent ZnO crystallized glass ceramics for photocatalytic and antibacterial applications. Journal of Applied Physics, 2019, 125, . | 1.1 | 28 |
| 6 | Antibacterial and photocatalytic active transparent TiO<sub>2</sub> crystallized CaOâ€“BaOâ€“B<sub>2</sub>O<sub>3</sub>â€“Al<sub>2</sub>O<sub>3</sub>â€“TiO<sub>2</sub>â€“ZnO glass nanocomposites. Journal of the American Ceramic Society, 2019, 102, 3378-3390. | 3 | 26 |
| 7 | TiO2 microcrystallized glass plate mediated photocatalytic degradation of estrogenic pollutant in water. Journal of Non-Crystalline Solids, 2015, 408, 13-17. | 1.5 | 25 |
| 8 | Pyroelectric performance of porous Ba<sub>0.85</sub>Sr<sub>0.15</sub>TiO<sub>3</sub> ceramics. International Journal of Applied Ceramic Technology, 2018, 15, 140-147. | 1.1 | 22 |
| 9 | Candle Soot-Driven Performance Enhancement in Pyroelectric Energy Conversion. Journal of Electronic Materials, 2018, 47, 4721-4730. | 1.0 | 17 |
| 10 | Controlled crystallization of photocatalytic active Bismuth oxyfluoride/Bismuth fluoride on SrO-Bi2O3-B2O3transparent glass ceramic. Journal of the European Ceramic Society, 2018, 38, 3635-3642. | 2.8 | 16 |
| 11 | Photocatalytic self-cleaning transparent 2Bi2O3-B2O3 glass ceramics. Journal of Applied Physics, 2017, 122, 094901. | 1.1 | 14 |
| 12 | Hierarchical growth of BiOCl on SrOâ€Bi<sub>2</sub>O<sub>3</sub>â€B<sub>2</sub>O<sub>3</sub> glassâ€ceramics for selfâ€cleaning applications. Journal of the American Ceramic Society, 2018, 101, 2901-2913. | 1.9 | 14 |
| 13 | Photocatalytic Active Bismuth Fluoride/Oxyfluoride Surface Crystallized 2Bi2O3-B2O3 Glassâ€“Ceramics. Journal of Electronic Materials, 2018, 47, 3490-3496. | 1.0 | 13 |
| 14 | Controlled crystallization of BiOCl/BiF3 on ZnOâ€“Bi2O3â€“B2O3 glass surfaces for photocatalytic and self-cleaning applications. Materialia, 2019, 5, 100196. | 1.3 | 13 |
| 15 | Pyroelectric energy harvesting for dye decolorization using Ba0.9Ca0.1TiO3 ceramics. Journal of Applied Physics, 2020, 128, . | 1.1 | 13 |
| 16 | Leadâ€Free Pyroelectric Materials for Thermal Energy Harvesting: A Comparative Study. Energy Technology, 2018, 6, 943-949. | 1.8 | 12 |
| 17 | Solar light induced antibacterial performance of TiO<sub>2</sub> crystallized glass ceramics. International Journal of Applied Glass Science, 2018, 9, 480-486. | 1.0 | 11 |
| 18 | Structural and photocatalytic performance of (Ba,Ca)TiO 3 â€“Ba(Sn,Ti)O 3 ferroelectric ceramics. Materials Science in Semiconductor Processing, 2018, 79, 153-160. | 1.9 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Large Gain in Pyroelectric Energy Conversion through a Candle Soot Coating. Energy Technology, 2018, 6, 950-955. | 1.8 | 8 |
| 20 | Anticorrosion and electromagnetic interference shielding behavior of candle sootâ€based epoxy coating. Journal of Applied Polymer Science, 2020, 137, 48678. | 1.3 | 8 |
| 21 | 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 |
| 22 | Surface crystallization of BiOCl on 2Bi2O3â€“B2O3 glasses for photocatalytic applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 10520-10531. | 1.1 | 5 |
| 23 | Composition dependent electrocaloric behavior of (Sr<sub>x</sub>Ba<sub>1-x</sub>)Nb<sub>2</sub>O<sub>6</sub>ceramics. Integrated Ferroelectrics, 2016, 168, 163-169. | 0.3 | 1 |
| 24 | Pyroelectric performance of [Bi0.48Na0.4032K0.0768]Sr0.04(Ti0.975Nb0.025)O3 ceramics. Journal of the Australian Ceramic Society, 2020, 56, 395-402. | 1.1 | 1 |