

# Gurpreet Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

616  
citations

623574

14  
h-index

610775

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

315  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Ferroelectric ceramics and glass ceramics for photocatalysis. , 2022, , 297-322.   |     | 1         |
| 2  | Efficient dye removal using adsorption and photocatalytic capabilities of titania-supported vanadia. Materials Technology, 2021, 36, 504-512.  | 1.5 | 2         |
| 3  | Utilizing the localized surface piezoelectricity of centrosymmetric Sr <sub>1-x</sub> FexTiO <sub>3</sub> (x≈0.2) ceramics for piezocatalytic dye degradation. Journal of the European Ceramic Society, 2021, 41, 326-334. | 2.8 | 42        |
| 4  | Surface plasmon resonance triggered promising visible light photocatalysis of LiNbO <sub>3</sub> ceramic supported Ag nanoparticles. Journal of the American Ceramic Society, 2021, 104, 1237-1246.                        | 1.9 | 10        |
| 5  | Emerging trends in glass-ceramic photocatalysts. Chemical Engineering Journal, 2021, 407, 126971.  | 6.6 | 41        |
| 6  | A reduced graphene oxide/bismuth vanadate composite as an efficient piezocatalyst for degradation of organic dye. Materials Advances, 2021, 2, 4093-4101.  | 2.6 | 18        |
| 7  | Processing routes, resulting microstructures, and strain rate dependent deformation behaviour of advanced high strength steels for automotive applications. Archives of Civil and Mechanical Engineering, 2021, 21, 1.     | 1.9 | 15        |
| 8  | Promising multicatalytic and adsorption capabilities in V <sub>2</sub> O <sub>5</sub> /BiVO <sub>4</sub> composite pellets for water-cleaning application. Surfaces and Interfaces, 2021, 23, 100924.                      | 1.5 | 17        |
| 9  | Flexible Ag@LiNbO <sub>3</sub> /PVDF Composite Film for Piezocatalytic Dye/Pharmaceutical Degradation and Bacterial Disinfection. ACS Applied Materials & Interfaces, 2021, 13, 22914-22925.                               | 4.0 | 90        |
| 10 | Diesel Soot as a Supercapacitor Electrode Material. Journal of the Electrochemical Society, 2021, 168, 050551.   | 1.3 | 3         |
| 11 | Piezocatalysis in ferroelectric Ba <sub>0.85</sub> Ca <sub>0.15</sub> Zr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> /polyvinylidene difluoride (PVDF) composite film. Journal of Applied Physics, 2021, 130, .        | 1.1 | 14        |
| 12 | Polar glass-ceramics for piezocatalytic applications. Journal of Applied Physics, 2021, 130, .   | 1.1 | 9         |
| 13 | Ag-nanoparticles-loaded Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.9</sub> Zr <sub>0.1</sub> O <sub>3</sub> for multicatalytic dye degradation. Nanotechnology, 2021, 32, 145716.                                     | 1.3 | 15        |
| 14 | Melt quenched V <sub>2</sub> O <sub>5</sub> /BiVO <sub>4</sub> composite: A novel and promising adsorbent and photocatalyst. Materials Chemistry and Physics, 2020, 240, 122238.   | 2.0 | 14        |
| 15 | Exploring the piezocatalytic dye degradation capability of lithium niobate. Advanced Powder Technology, 2020, 31, 1771-1775.   | 2.0 | 75        |
| 16 | Dye degradation and bacterial disinfection using multicatalytic BaZr <sub>0.02</sub> Ti <sub>0.98</sub> O <sub>3</sub> ceramics. Journal of the American Ceramic Society, 2020, 103, 4774-4784.                            | 1.9 | 61        |
| 17 | Transparent ferroelectric glass-ceramics for wastewater treatment by piezocatalysis. Communications Materials, 2020, 1, .  | 2.9 | 37        |
| 18 | Diesel soot coated non-woven fabric for oil-water separation and adsorption applications. Scientific Reports, 2019, 9, 8503.   | 1.6 | 25        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Transparent ZnO crystallized glass ceramics for photocatalytic and antibacterial applications. Journal of Applied Physics, 2019, 125, .   | 1.1 | 28        |
| 20 | Transparent CaF <sub>2</sub> surface crystallized CaO-B <sub>2</sub> O <sub>3</sub> glass possessing efficient photocatalytic and antibacterial properties. Journal of the American Ceramic Society, 2019, 102, 5127-5137.  | 1.9 | 17        |
| 21 | Influence of LiNbO <sub>3</sub> crystallization on the optical, dielectric and nanoindentation properties of the 30SiO <sub>2</sub> -35Li <sub>2</sub> O-35Nb <sub>2</sub> O <sub>5</sub> glass. Journal of Applied Physics, 2019, 126, .                           | 1.1 | 18        |
| 22 | Tunable surface adsorption and wettability of candle soot coated on ferroelectric ceramics. Journal of Advanced Research, 2019, 16, 35-42.  | 4.4 | 16        |
| 23 | Controlled crystallization of BiOCl/BiF <sub>3</sub> on ZnO-Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass surfaces for photocatalytic and self-cleaning applications. Materialia, 2019, 5, 100196.  | 1.3 | 13        |
| 24 | Antibacterial and photocatalytic active transparent TiO <sub>2</sub> crystallized CaO-BaO-B <sub>2</sub> O <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> -ZnO glass nanocomposites. Journal of the American Ceramic Society, 2019, 102, 3378-3390. |     | 26        |
| 25 | Correlation between L <sup>1/4</sup> band formation and precipitation kinetics behaviour during the industrial processing of interstitial free high strength steels. Archives of Civil and Mechanical Engineering, 2019, 19, 469-483.                               | 1.9 | 9         |