

# 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	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
2	Exploring the piezocatalytic dye degradation capability of lithium niobate. Advanced Powder Technology, 2020, 31, 1771-1775.	2.0	75
3	Dye degradation and bacterial disinfection using multicyclic 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
4	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
5	Emerging trends in glass-ceramic photocatalysts. Chemical Engineering Journal, 2021, 407, 126971.	6.6	41
6	Transparent ferroelectric glass-ceramics for wastewater treatment by piezocatalysis. Communications Materials, 2020, 1, .	2.9	37
7	Transparent ZnO crystallized glass ceramics for photocatalytic and antibacterial applications. Journal of Applied Physics, 2019, 125, .	1.1	28
8	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
9	Diesel soot coated non-woven fabric for oil-water separation and adsorption applications. Scientific Reports, 2019, 9, 8503.	1.6	25
10	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
11	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
12	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
13	Promising multicyclic 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
14	Tunable surface adsorption and wettability of candle soot coated on ferroelectric ceramics. Journal of Advanced Research, 2019, 16, 35-42.	4.4	16
15	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
16	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 multicyclic dye degradation. Nanotechnology, 2021, 32, 145716.	1.3	15
17	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
18	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

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19	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. <i>Materialia</i> , 2019, 5, 100196.	1.3	13
20	Surface plasmon resonance triggered promising visible light photocatalysis of LiNbO <sub>3</sub> ceramic supported Ag nanoparticles. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1237-1246.	1.9	10
21	Correlation between $\lambda$ bands formation and precipitation kinetics behaviour during the industrial processing of interstitial free high strength steels. <i>Archives of Civil and Mechanical Engineering</i> , 2019, 19, 469-483.	1.9	9
22	Polar glass-ceramics for piezocatalytic applications. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	9
23	Diesel Soot as a Supercapacitor Electrode Material. <i>Journal of the Electrochemical Society</i> , 2021, 168, 050551.	1.3	3
24	Efficient dye removal using adsorption and photocatalytic capabilities of titania-supported vanadia. <i>Materials Technology</i> , 2021, 36, 504-512.	1.5	2
25	Ferroelectric ceramics and glass ceramics for photocatalysis. , 2022, , 297-322.		1