

# Palak Bansal

## List of Publications by Year in descending order

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18  
papers

433  
citations

840776

11  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile fabrication of novel Ba-doped g-C <sub>3</sub> N <sub>4</sub> photocatalyst with remarkably enhanced photocatalytic activity towards tetracycline elimination under visible-light irradiation. Applied Surface Science, 2020, 506, 144184.	6.1	83
2	Synergistic effect of dual process (photocatalysis and photo-Fenton) for the degradation of Cephalexin using TiO <sub>2</sub> immobilized novel clay beads with waste fly ash/foundry sand. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 342, 131-142.	3.9	69
3	Detoxification of real pharmaceutical wastewater by integrating photocatalysis and photo-Fenton in fixed-mode. Chemical Engineering Journal, 2018, 349, 838-848.	12.7	61
4	In-situ dual effect studies using novel Fe-TiO <sub>2</sub> composite for the pilot-plant degradation of pentoxifylline. Chemical Engineering Journal, 2018, 332, 682-694.	12.7	41
5	Investigations on the degradation of an antibiotic Cephalexin using suspended and supported TiO <sub>2</sub> : Mineralization and durability studies. Canadian Journal of Chemical Engineering, 2016, 94, 1269-1276.	1.7	31
6	N, Ag co-doped TiO <sub>2</sub> mediated modified in-situ dual process (modified photocatalysis and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td Chemosphere, 2018, 212, 611-619.	8.2	23
7	Pilot-scale single-step reactor combining photocatalysis and photo-Fenton aiming at faster removal of Cephalexin. Journal of Cleaner Production, 2018, 195, 540-551.	9.3	21
8	Stability and durability studies of TiO <sub>2</sub> coated immobilized system for the degradation of imidacloprid. New Journal of Chemistry, 2017, 41, 6296-6304.	2.8	20
9	Assessment of integrated binary process by coupling photocatalysis and photo-Fenton for the removal of cephalexin from aqueous solution. Journal of Materials Science, 2018, 53, 7326-7343.	3.7	19
10	Novel Fe-TiO <sub>2</sub> composite driven dual effect for reduction in treatment time of pentoxifylline: Slurry to immobilized approach. Materials and Design, 2017, 125, 135-145.	7.0	15
11	Assessment of solar photocatalytic degradation and mineralization of amoxicillin trihydrate (AMT) using slurry and fixed-bed batch reactor: efficacy of parabolic trough collector. RSC Advances, 2016, 6, 36109-36117.	3.6	13
12	Applications of sunlight responsive Fe-Ag-TiO <sub>2</sub> composite incorporating in-situ dual effect for the degradation of pentoxifylline. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2018, 236-237, 197-207.	3.5	9
13	Potential use of waste foundry sand in dual process (photocatalysis and photo-Fenton) for the effective removal of phenazone from water: Slurry and fixed-bed approach. Journal of Environmental Management, 2019, 233, 793-801.	7.8	8
14	Evaluation of the Process Parameters for Electro Fenton and Electro Chlorination Treatment of Reactive Black 5 (RB5) Dye. Journal of the Electrochemical Society, 2017, 164, E203-E212.	2.9	7
15	Catalyst-coated cement beads for the degradation and mineralization of fungicide carbendazim using laboratory and pilot-scale reactor: catalyst stability analysis. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 547 Td	1.0	7
16	Fly Ash Incorporated Slurry and Fixed-Bed Approach for Heterogeneous Solar Photo-Fenton Degradation of Isoproturon. Environmental Progress and Sustainable Energy, 2018, 37, 1901-1907.	2.3	3
17	Concentrating and Nonconcentrating Slurry and Fixed-Bed Solar Reactors for the Degradation of Herbicide Isoproturon. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.8	3
18	TiO <sub>2</sub> -Assisted Photocatalytic Degradation of Herbicide 4-Chlorophenoxyacetic Acid: Slurry and Fixed-Bed Approach. Lecture Notes in Civil Engineering, 2019, , 133-143.	0.4	0