

# Wilawan Khanitchaidecha

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

280  
citations

1040056

9  
h-index

940533

16  
g-index

25  
all docs

25  
docs citations

25  
times ranked

244  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Synthesis and Characterization of WO <sub>3</sub> /CeO <sub>2</sub> Heterostructured Nanoparticles for Photodegradation of Indigo Carmine Dye. ACS Omega, 2021, 6, 19771-19777.  | 3.5 | 47        |
| 2  | Synthesis, characterization and environmental applications of bismuth vanadate. Research on Chemical Intermediates, 2019, 45, 5217-5259.   | 2.7 | 32        |
| 3  | Photocatalytic Degradation of Organic Dye under UV-A Irradiation Using TiO <sub>2</sub> @Vetiver Multifunctional Nano Particles. Materials, 2017, 10, 122.   | 2.9 | 25        |
| 4  | The influence of experimental conditions on photocatalytic degradation of methylene blue using titanium dioxide particle. Journal of the Australian Ceramic Society, 2018, 54, 557-564.  | 1.9 | 19        |
| 5  | New insight into the photocatalytic degradation of organic pollutant over BiVO <sub>4</sub> /SiO <sub>2</sub> /GO nanocomposite. Scientific Reports, 2021, 11, 4620.   | 3.3 | 18        |
| 6  | Adsorption and Photocatalytic Processes of Mesoporous SiO <sub>2</sub> -Coated Monoclinic BiVO <sub>4</sub> . Frontiers in Chemistry, 2018, 6, 415.  | 3.6 | 17        |
| 7  | Hydrogenotrophic denitrification in an attached growth reactor under various operating conditions. Water Science and Technology: Water Supply, 2012, 12, 72-81.  | 2.1 | 16        |
| 8  | Enhanced Photocatalytic and Photokilling Activities of Cu-Doped TiO <sub>2</sub> Nanoparticles. Nanomaterials, 2022, 12, 1198.   | 4.1 | 16        |
| 9  | Novel Strategy for the Development of Antibacterial TiO <sub>2</sub> Thin Film onto Polymer Substrate at Room Temperature. Nanomaterials, 2021, 11, 1493.  | 4.1 | 12        |
| 10 | Development of an attached growth reactor for NH <sub>4</sub> -N removal at a drinking water supply system in Kathmandu Valley, Nepal. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 734-743. | 1.7 | 9         |
| 11 | Effect of Anatase/Rutile Phase Ratio on the Photodegradation of Methylene Blue under UV Irradiation. Materials Science Forum, 0, 998, 78-83.   | 0.3 | 9         |
| 12 | Performance of intermittent aeration reactor on NH <sub>4</sub> -N removal from groundwater resources. Water Science and Technology, 2010, 61, 3061-3069.  | 2.5 | 8         |
| 13 | Enhancement of nitrate removal under limited organic carbon with hydrogen-driven autotrophic denitrification in low-cost electrode bio-electrochemical reactors. Journal of Chemical Technology and Biotechnology, 2021, 96, 2520-2528.                                  | 3.2 | 8         |
| 14 | NH <sub>4</sub> -N Removal Through Nitrification and Hydrogenotrophic Denitrification in Simple Attached Growth Reactors. Water, Air, and Soil Pollution, 2012, 223, 3939-3953.  | 2.4 | 7         |
| 15 | Photocatalytic degradation of organic dye over bismuth vanadate-silicon dioxide-graphene oxide nanocomposite under visible light irradiation. Journal of the Australian Ceramic Society, 2020, 56, 1237-1241.  | 1.9 | 7         |
| 16 | Decomposition of dye pigment via photocatalysis process using CuO-TiO <sub>2</sub> nanocomposite. Materials Today: Proceedings, 2021, 47, 3441-3444.   | 1.8 | 6         |
| 17 | Coconut Fiber Decorated with Bismuth Vanadate for Enhanced Photocatalytic Activity. ACS Omega, 2022, 7, 8854-8863.   | 3.5 | 6         |
| 18 | Simultaneous Removal of Ammonium and Nitrate by a Combination of ANAMMOX and Hydrogenotrophic Denitrification. Journal of Water and Environment Technology, 2015, 13, 167-178.   | 0.7 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Utilization of Waste Materials for Microbial Carrier in Wastewater Treatment. BioMed Research International, 2016, 2016, 1-6.   | 1.9 | 5         |
| 20 | Hybrid high porosity rice straw infused with Bi VO 4 nanoparticles for efficient 2-chlorophenol degradation. International Journal of Applied Ceramic Technology, 2019, 16, 1060-1068.                              | 2.1 | 4         |
| 21 | Modeling of an immobilized sludge reactor with polyethylene glycol (PEG)-pellet to remove NH <sub>4</sub> -N from groundwater. Water Science and Technology: Water Supply, 2011, 11, 534-544.                       | 2.1 | 2         |
| 22 | Influence of Preparation Methods of TiO <sub>2</sub> Nano-Particle on Photodegradation of Methylene Blue. Materials Science Forum, 2020, 998, 84-89.  | 0.3 | 1         |
| 23 | Application of Electrocoagulation in Street Food Wastewater. Water (Switzerland), 2022, 14, 655.  | 2.7 | 1         |
| 24 | Bio-electrochemical reactor using low-cost electrode materials for aqueous contaminant removal. Journal of the Australian Ceramic Society, 2020, 56, 943-949.   | 1.9 | 0         |
| 25 | Evaluation of prospects and barriers of biogas produced from livestock waste towards sustainable development and adaptation to climate change in Nghe An province, Viet Nam. APN Science Bulletin, 2021, 11, 81-88. | 0.7 | 0         |