

Nazar Delegan

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

395
citations

840776

11
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

674
citing authors

#	ARTICLE	IF	CITATIONS
1	Probing the Electronic Surface Properties and Bandgap Narrowing of in situ N, W, and (W,N) Doped Magnetron-Sputtered TiO ₂ Films Intended for Electro-Photocatalytic Applications. Journal of Physical Chemistry C, 2016, 120, 631-638.	3.1	54
2	Bandgap tailoring of <i>in-situ</i> nitrogen-doped TiO ₂ sputtered films intended for electrophotocatalytic applications under solar light. Journal of Applied Physics, 2014, 116, .	2.5	52
3	Electrochemical degradation of chlortetracycline using N-doped Ti/TiO ₂ photoanode under sunlight irradiations. Water Research, 2013, 47, 6801-6810.	11.3	50
4	Stabilization of point-defect spin qubits by quantum wells. Nature Communications, 2019, 10, 5607.	12.8	42
5	Degradation of atrazine in aqueous solution with electrophotocatalytic process using TiO ₂ photoanode. Chemosphere, 2016, 157, 79-88.	8.2	36
6	Removal of chlortetracycline from spiked municipal wastewater using a photoelectrocatalytic process operated under sunlight irradiations. Science of the Total Environment, 2014, 466-467, 300-305.	8.0	30
7	Correlation of sp ² carbon bonds content in magnetron-sputtered amorphous carbon films to their electrochemical H ₂ O ₂ production for water decontamination applications. Carbon, 2015, 94, 988-995.	10.3	30
8	Electrochemical treatment of domestic wastewater using boron-doped diamond and nanostructured amorphous carbon electrodes. Environmental Science and Pollution Research, 2014, 21, 6578-6589.	5.3	20
9	Photo-electrocatalytic oxidation of atrazine using sputtered deposited TiO ₂ : WN photoanodes under UV/visible light. Catalysis Today, 2020, 340, 323-333.	4.4	15
10	Lifetime Enhancement of Visible Light Induced Photocharges in Tungsten and Nitrogen in situ Codoped TiO ₂ :WN Thin Films. Journal of Physical Chemistry C, 2018, 122, 5411-5419.	3.1	14
11	Removal of atrazine by photoelectrocatalytic process under sunlight using WN-codoped TiO ₂ photoanode. Journal of Applied Electrochemistry, 2018, 48, 1353-1361.	2.9	11
12	High-Q Nanophotonic Resonators on Diamond Membranes using Templated Atomic Layer Deposition of TiO ₂ . Nano Letters, 2020, 20, 4603-4609.	9.1	11
13	In-situ co-doping of sputter-deposited TiO ₂ :WN films for the development of photoanodes intended for visible-light electro-photocatalytic degradation of emerging pollutants. Journal of Applied Physics, 2018, 123, 205101.	2.5	7
14	Defect engineering of codoped visible light photosensitized TiO ₂ :WN thin-films for efficient electro-photocatalysis. Journal of Alloys and Compounds, 2020, 833, 155023.	5.5	6
15	Scanning X-Ray Diffraction Microscopy for Diamond Quantum Sensing. Physical Review Applied, 2021, 16, .	3.8	6
16	Designing silicon carbide heterostructures for quantum information science: challenges and opportunities. Materials for Quantum Technology, 2022, 2, 023001.	3.1	6
17	Capacity retention improvement of LiCoO ₂ cathodes via their laser-ablation-based nanodecoration by BaTiO ₃ nanoparticles. Journal of Applied Physics, 2022, 131, .	2.5	3
18	High-frequency dielectric characterization of electronic defect states in co-sputtered W-doped TiO ₂ . Journal of Applied Physics, 2019, 125, .	2.5	2