

Nadia Todorova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tailoring the energy band gap and edges' potentials of g-C ₃ N ₄ /TiO ₂ composite photocatalysts for NO _x removal. <i>Chemical Engineering Journal</i> , 2017, 310, 571-580.	6.6	325
2	Effect of processing temperature on structure and photocatalytic properties of g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015, 358, 278-286.	3.1	267
3	TiO ₂ /graphene composite photocatalysts for NO _x removal: A comparison of surfactant-stabilized graphene and reduced graphene oxide. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 637-647.	10.8	199
4	Chemical vs thermal exfoliation of g-C ₃ N ₄ for NO _x removal under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 16-26.	10.8	185
5	Composite TiO ₂ /clays materials for photocatalytic NO _x oxidation. <i>Applied Surface Science</i> , 2014, 319, 113-120.	3.1	102
6	Photocatalytic activity of modified g-C ₃ N ₄ /TiO ₂ nanocomposites for NO _x removal. <i>Catalysis Today</i> , 2017, 280, 37-44.	2.2	94
7	Hydroxyapatite/titanium dioxide nanocomposites for controlled photocatalytic NO oxidation. <i>Applied Catalysis B: Environmental</i> , 2011, 106, 398-404.	10.8	87
8	Photocatalytic, self-cleaning, antireflective coating for photovoltaic panels: Characterization and monitoring in real conditions. <i>Solar Energy</i> , 2018, 159, 251-259.	2.9	84
9	Composite hydroxyapatite/TiO ₂ materials for photocatalytic oxidation of NO _x . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012, 177, 1046-1052.	1.7	77
10	2020 Roadmap on gas-involved photo- and electro- catalysis. <i>Chinese Chemical Letters</i> , 2019, 30, 2089-2109.	4.8	71
11	Novel torus shaped g-C ₃ N ₄ photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2020, 268, 118733.	10.8	56
12	N and N,S-doped TiO ₂ photocatalysts and their activity in NO _x oxidation. <i>Catalysis Today</i> , 2013, 209, 41-46.	2.2	54
13	Optical and photocatalytic properties of composite TiO ₂ /ZnO thin films. <i>Catalysis Today</i> , 2014, 230, 174-180.	2.2	54
14	Photocatalytic Degradation of Mecoprop and Clopyralid in Aqueous Suspensions of Nanostructured N-doped TiO ₂ . <i>Molecules</i> , 2010, 15, 2994-3009.	1.7	50
15	Photocatalytic NO _x oxidation over modified ZnO/TiO ₂ thin films. <i>Catalysis Today</i> , 2015, 252, 41-46.	2.2	48
16	TiO ₂ functionalization for efficient NO _x removal in photoactive cement. <i>Applied Surface Science</i> , 2014, 319, 29-36.	3.1	44
17	Structure tailoring of fluorine-doped TiO ₂ nanostructured powders. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 152, 50-54.	1.7	36
18	Enhanced NO ₂ abatement by alkaline-earth modified g-C ₃ N ₄ nanocomposites for efficient air purification. <i>Applied Surface Science</i> , 2018, 430, 225-233.	3.1	33

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19	Investigation on the nitrogen doping of multilayered, porous TiO ₂ thin films. <i>Thin Solid Films</i> , 2008, 516, 8184-8189.	0.8	32
20	Recycling of typical supercapacitor materials. <i>Waste Management and Research</i> , 2016, 34, 337-344.	2.2	30
21	The effect of thermal treatment on antibacterial properties of nanostructured TiO ₂ (N) films illuminated with visible light. <i>World Journal of Microbiology and Biotechnology</i> , 2009, 25, 27-31.	1.7	29
22	Effect of fluorine doping and SiO ₂ under-layer on the optical properties of TiO ₂ thin films. <i>Materials Letters</i> , 2007, 61, 4474-4477.	1.3	25
23	Self-propagating solar light reduction of graphite oxide in water. <i>Applied Surface Science</i> , 2017, 391, 601-608.	3.1	25
24	Effect of TiO ₂ addition/coating on the performance of polydimethylsiloxane-based silicone elastomers for outdoor applications. <i>Materials Chemistry and Physics</i> , 2019, 223, 366-373.	2.0	22
25	Thermal treatment effect on structure, electrical conductivity and transient photoconductivity behavior of thiourea modified TiO ₂ sol-gel thin films. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7253-7258.	2.8	19
26	Photocatalytic H ₂ Evolution, CO ₂ Reduction, and NO _x Oxidation by Highly Exfoliated g-C ₃ N ₄ . <i>Catalysts</i> , 2020, 10, 1147.	1.6	19
27	Composite Electrodes of Activated Carbon and Multiwall Carbon Nanotubes Decorated with Silver Nanoparticles for High Power Energy Storage. <i>Journal of Composites Science</i> , 2019, 3, 97.	1.4	16
28	Selective removal of organic and inorganic air pollutants by adjusting the g-C ₃ N ₄ /TiO ₂ ratio. <i>Catalysis Today</i> , 2021, 361, 37-42.	2.2	16
29	Mechanical performance of re-extruded and aged graphene/polypropylene nanocomposites. <i>Polymer International</i> , 2017, 66, 1716-1724.	1.6	13
30	Electrochemically deposited graphene oxide thin film supercapacitors: Comparing liquid and solid electrolytes. <i>Applied Surface Science</i> , 2020, 528, 146801.	3.1	12
31	Description of TiO ₂ thin films treated in NH ₃ atmosphere by optical dispersion models. <i>Thin Solid Films</i> , 2009, 517, 6694-6699.	0.8	11
32	Decoration of crumpled rGO sheets with Ag nanoparticles by spray pyrolysis. <i>Applied Surface Science</i> , 2015, 358, 84-90.	3.1	11
33	Novel Pickering™ modified TiO ₂ photocatalysts with high De-NO _x efficiency. <i>Catalysis Today</i> , 2017, 287, 45-51.	2.2	11
34	Doped Sol-gel TiO ₂ Films for Biological Applications. <i>Bulletin of the Korean Chemical Society</i> , 2008, 29, 1038-1042.	1.0	9
35	Effect of processing temperature on growing bamboo-like carbon nanotubes by chemical vapor deposition. <i>Materials Today Chemistry</i> , 2021, 19, 100388.	1.7	6
36	Preparation of hybrid composites of PLLA using GO/PEG masterbatch and their characterization. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 3385-3399.	2.0	6

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37	The environment effect on the electrical conductivity and photoconductivity of anatase TiO ₂ nanoplates with silver nanoparticles photodeposited on {101} crystal facets. <i>Materials Science in Semiconductor Processing</i> , 2016, 56, 386-393.	1.9	5
38	2-Dimensional Clay/Reduced Graphene Oxide Ordered Heterostructures Dispersible in Water via a One-Step Hydrothermal Route. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4684-4691.	0.9	5
39	N- and N, C-Doped TiO ₂ Powders and Their Visible Light Activity. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 475-479.	0.4	4
40	Organoclay/Graphitic Nanoplatelets Lamellar Hybrid Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 7797-7803.	0.9	4
41	Photocatalytic Reduction of CO ₂ over Iron-Modified g-C ₃ N ₄ Photocatalysts. <i>Photochem</i> , 2021, 1, 462-476.	1.3	4
42	Physical Properties of Photo-Aged Graphene/Polypropylene Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 5033-5041.	0.9	3
43	An insight study into the parameters altering the emission of a covalent triazine framework. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13770-13781.	2.7	3