

# Marina Ratova

## List of Publications by Year in descending order

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29  
papers

535  
citations

567281

15  
h-index

642732

23  
g-index

29  
all docs

29  
docs citations

29  
times ranked

749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient photocatalytic bismuth oxide coatings and their antimicrobial properties under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 223-232.	20.2	70
2	Visible light active photocatalytic C-doped titanium dioxide films deposited via reactive pulsed DC magnetron co-sputtering: Properties and photocatalytic activity. <i>Vacuum</i> , 2018, 149, 214-224.	3.5	42
3	Structural Formation and Photocatalytic Activity of Magnetron Sputtered Titania and Doped-Titania Coatings. <i>Molecules</i> , 2014, 19, 16327-16348.	3.8	33
4	Novel and versatile TiO <sub>2</sub> thin films on PET for photocatalytic removal of contaminants of emerging concern from water. <i>Chemical Engineering Journal</i> , 2019, 370, 1251-1261.	12.7	32
5	Synthesis of Cu/TiO <sub>2</sub> catalysts by reactive magnetron sputtering deposition and its application for photocatalytic reduction of CO <sub>2</sub> and H <sub>2</sub> O to CH <sub>4</sub> . <i>Ceramics International</i> , 2019, 45, 22961-22971.	4.8	31
6	Deposition of Visible Light-Active C-Doped Titania Films via Magnetron Sputtering Using CO <sub>2</sub> as a Source of Carbon. <i>Nanomaterials</i> , 2017, 7, 113.	4.1	27
7	Optimization Studies of Photocatalytic Tungsten-Doped Titania Coatings Deposited by Reactive Magnetron Co-Sputtering. <i>Coatings</i> , 2013, 3, 194-207.	2.6	24
8	Magnetron co-sputtered Bi <sub>12</sub> TiO <sub>20</sub> /Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> composite “An efficient photocatalytic material with photoinduced oxygen vacancies for water treatment application. <i>Applied Surface Science</i> , 2021, 552, 149486.	6.1	24
9	Deposition of Visible Light Active Photocatalytic Bismuth Molybdate Thin Films by Reactive Magnetron Sputtering. <i>Materials</i> , 2016, 9, 67.	2.9	22
10	Magnetron Sputter-Coated Nanoparticle MoS <sub>2</sub> Supported on Nanocarbon: A Highly Efficient Electrocatalyst toward the Hydrogen Evolution Reaction. <i>ACS Omega</i> , 2018, 3, 7235-7242.	3.5	22
11	Reactive magnetron sputtering deposition of bismuth tungstate onto titania nanoparticles for enhancing visible light photocatalytic activity. <i>Applied Surface Science</i> , 2017, 392, 590-597.	6.1	20
12	Reactive Magnetron Sputter Deposition of Bismuth Tungstate Coatings for Water Treatment Applications under Natural Sunlight. <i>Catalysts</i> , 2017, 7, 283.	3.5	20
13	Design and optimisation of a low-cost titanium dioxide-coated stainless steel mesh photocatalytic water treatment reactor. <i>Journal of Cleaner Production</i> , 2021, 297, 126641.	9.3	18
14	Cu and Pt clusters deposition on TiO <sub>2</sub> powders by DC magnetron sputtering for photocatalytic hydrogen production. <i>Catalysis Today</i> , 2019, 326, 15-21.	4.4	16
15	Crystalline TiO <sub>2</sub> supported on stainless steel mesh deposited in a one step process via pulsed DC magnetron sputtering for wastewater treatment applications. <i>Journal of Materials Research and Technology</i> , 2020, 9, 5761-5773.	5.8	16
16	Pulsed DC magnetron sputtering deposition of crystalline photocatalytic titania coatings at elevated process pressures. <i>Materials Science in Semiconductor Processing</i> , 2017, 71, 188-196.	4.0	15
17	Synergistic effect of doping with nitrogen and molybdenum on the photocatalytic properties of thin titania films. <i>Vacuum</i> , 2015, 114, 205-212.	3.5	14
18	Superhydrophobic photocatalytic PTFE “Titania coatings deposited by reactive pDC magnetron sputtering from a blended powder target. <i>Materials Chemistry and Physics</i> , 2017, 190, 108-113.	4.0	14

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19	A Novel Technique for the Deposition of Bismuth Tungstate onto Titania Nanoparticulates for Enhancing the Visible Light Photocatalytic Activity. <i>Coatings</i> , 2016, 6, 29.	2.6	11
20	Deposition of Pt nanoparticles on TiO <sub>2</sub> by pulsed direct current magnetron sputtering for selective hydrogenation of vanillin to vanillyl alcohol. <i>Catalysis Today</i> , 2020, 358, 51-59.	4.4	11
21	Photocatalytic microfiltration membranes produced by magnetron sputtering with self-cleaning capabilities. <i>Thin Solid Films</i> , 2022, 747, 139143.	1.8	11
22	Reel-to-Reel Atmospheric Pressure Dielectric Barrier Discharge (DBD) Plasma Treatment of Polypropylene Films. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 337.	2.5	8
23	Visible light activated photocatalytic TaON coatings deposited via pulsed-DC magnetron sputtering. <i>Vacuum</i> , 2014, 109, 135-138.	3.5	7
24	Characterisation and properties of visible light-active bismuth oxide-titania composite photocatalysts. <i>Sustainable Materials and Technologies</i> , 2019, 22, e00112.	3.3	7
25	Development of a rapid method for assessing the efficacy of antibacterial photocatalytic coatings. <i>Talanta</i> , 2021, 225, 122009.	5.5	5
26	Micro-Patterning of Magnetron Sputtered Titanium Dioxide Coatings and Their Efficiency for Photocatalytic Applications. <i>Coatings</i> , 2020, 10, 68.	2.6	5
27	Visible light photocatalytic bismuth oxide coatings are effective at suppressing aquatic cyanobacteria and degrading free-floating genomic DNA. <i>Journal of Environmental Sciences</i> , 2021, 104, 128-136.	6.1	4
28	An Investigation into W or Nb or ZnFe <sub>2</sub> O <sub>4</sub> Doped Titania Nanocomposites Deposited from Blended Powder Targets for UV/Visible Photocatalysis. <i>Coatings</i> , 2013, 3, 153-165.	2.6	3
29	Photocatalytic degradation of contaminants of emerging concern using a low-cost and efficient black bismuth titanate-based water treatment reactor. <i>Journal of Water Process Engineering</i> , 2022, 45, 102525.	5.6	3