

# Didier Robert

## List of Publications by Year in descending order

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93  
papers

7,575  
citations

81900

39  
h-index

51608

86  
g-index

97  
all docs

97  
docs citations

97  
times ranked

9624  
citing authors

#	ARTICLE	IF	CITATIONS
1	Catalysis in Advanced Oxidation Technologies (AOTs) for Water, Air and Soil Treatment. <i>Catalysts</i> , 2022, 12, 502.	3.5	0
2	Photocatalytic degradation of polystyrene nanoplastics in water. A methodological study. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108195.	6.7	8
3	Efficient photocatalytic mineralization of polymethylmethacrylate and polystyrene nanoplastics by TiO <sub>2</sub> /β-SiC alveolar foams. <i>Environmental Chemistry Letters</i> , 2021, 19, 1803-1808.	16.2	55
4	Modified-TiO <sub>2</sub> Photocatalyst Supported on β-SiC Foams for the Elimination of Gaseous Diethyl Sulfide as an Analog for Chemical Warfare Agent: Towards the Development of a Photoreactor Prototype. <i>Catalysts</i> , 2021, 11, 403.	3.5	5
5	Photo-electrocatalytic oxidation of atrazine using sputtered deposited TiO <sub>2</sub> : WN photoanodes under UV/visible light. <i>Catalysis Today</i> , 2020, 340, 323-333.	4.4	15
6	Highly robust La <sub>1-x</sub> Ti <sub>x</sub> FeO <sub>3</sub> dual catalyst with combined photocatalytic and photo-CWPO activity under visible light for 4-chlorophenol removal in water. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118310.	20.2	30
7	Reaction pathways, kinetics and toxicity assessment during the photocatalytic degradation of glyphosate and myclobutanil pesticides: Influence of the aqueous matrix. <i>Chemical Engineering Journal</i> , 2020, 384, 123315.	12.7	46
8	Photocatalytic degradation of Rhodamine B dye with TiO <sub>2</sub> immobilized on SiC foam using full factorial design. <i>Applied Water Science</i> , 2020, 10, 1.	5.6	22
9	Ti-Modified LaFeO <sub>3</sub> /β-SiC Alveolar Foams as Immobilized Dual Catalysts with Combined Photo-Fenton and Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57025-57037.	8.0	16
10	Activity enhancement pathways in LaFeO <sub>3</sub> @TiO <sub>2</sub> heterojunction photocatalysts for visible and solar light driven degradation of myclobutanil pesticide in water. <i>Journal of Hazardous Materials</i> , 2020, 400, 123099.	12.4	53
11	Removal of microplastics from the environment. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 807-828.	16.2	341
12	A comparative study of the photocatalytic efficiency of metal oxide/hydroxyapatite nanocomposites in the degradation kinetic of ciprofloxacin in water. <i>E3S Web of Conferences</i> , 2020, 150, 02006.	0.5	2
13	Coating-free TiO <sub>2</sub> @β-SiC alveolar foams as a ready-to-use composite photocatalyst with tunable adsorption properties for water treatment. <i>RSC Advances</i> , 2020, 10, 3817-3825.	3.6	13
14	Synergy effect between photocatalysis and heterogeneous photo-Fenton catalysis on Ti-doped LaFeO <sub>3</sub> perovskite for high efficiency light-assisted water treatment. <i>Catalysis Science and Technology</i> , 2020, 10, 1299-1310.	4.1	42
15	Upscaling Anodic Synthesis of TiO <sub>2</sub> Nanotubes Film as Potential Material for Photoelectrocatalytic Applications: Influence of Electrolyte Overheating and Aging on Nanotube Morphology and Stability. <i>Journal of Photocatalysis</i> , 2020, 1, 43-49.	0.4	0
16	Photocatalytic Degradation of Myclobutanil and Its Commercial Formulation with TiO <sub>2</sub> P25 in Slurry and TiO <sub>2</sub> /β-SiC Foams. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 5938-5943.	0.9	1
17	Kinetics and mechanism of Paraquat™s degradation: UV-C photolysis vs UV-C photocatalysis with TiO <sub>2</sub> /SiC foams. <i>Journal of Hazardous Materials</i> , 2019, 370, 164-171.	12.4	62
18	Synergistic effects of C, N, S, Fe-multidoped TiO <sub>2</sub> for photocatalytic degradation of methyl orange dye under UV and visible light irradiations. <i>SN Applied Sciences</i> , 2019, 1, 1.	2.9	10

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19	Synthesis and properties of alumina-hydroxyapatite composites from natural phosphate for phenol removal from water. <i>Colloids and Interface Science Communications</i> , 2019, 31, 100188.	4.1	25
20	Ti-substituted LaFeO <sub>3</sub> perovskite as photoassisted CWPO catalyst for water treatment. <i>Applied Catalysis B: Environmental</i> , 2019, 248, 120-128.	20.2	66
21	Heterogeneous photodegradation of Pyrimethanil and its commercial formulation with TiO <sub>2</sub> immobilized on SiC foams. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 368, 1-6.	3.9	35
22	Sn-doped and porogen-modified TiO <sub>2</sub> photocatalyst for solar light elimination of sulfure diethyle as a model for chemical warfare agent. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 279-289.	20.2	41
23	Alveolar TiO <sub>2</sub> -SiC photocatalytic composite foams with tunable properties for water treatment. <i>Catalysis Today</i> , 2019, 328, 235-242.	4.4	20
24	Photocatalytic Degradation of Paraquat Herbicide Using a Fixed Bed Reactor Containing TiO <sub>2</sub> Nanoparticles Coated onto SiC Alveolar Foams. <i>American Journal of Analytical Chemistry</i> , 2019, 10, 171-184.	0.9	11
25	Removal of atrazine by photoelectrocatalytic process under sunlight using WN-codoped TiO <sub>2</sub> photoanode. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1353-1361.	2.9	11
26	Environmental photocatalysis and photochemistry for a sustainable world: a big challenge. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12503-12505.	5.3	12
27	Nitrogen-containing organic compounds: Origins, toxicity and conditions of their photocatalytic mineralization over TiO <sub>2</sub> . <i>Science of the Total Environment</i> , 2017, 580, 1489-1504.	8.0	53
28	Effect of W doping level on TiO <sub>2</sub> on the photocatalytic degradation of Diuron. <i>Water Science and Technology</i> , 2017, 75, 20-27.	2.5	11
29	Removal of atrazine and its by-products from water using electrochemical advanced oxidation processes. <i>Water Research</i> , 2017, 125, 91-103.	11.3	104
30	Sol-gel synthesis of TiO <sub>2</sub> nanoparticles: effect of Pluronic P123 on particle's morphology and photocatalytic degradation of paraquat. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12582-12588.	5.3	58
31	Combination of coagulation-flocculation and heterogeneous photocatalysis for improving the removal of humic substances in real treated water from Agbã River (Ivory-Coast). <i>Catalysis Today</i> , 2017, 281, 2-13.	4.4	73
32	Fe-Doped TiO <sub>2</sub> Supported on HY Zeolite for Solar Photocatalytic Treatment of Dye Pollutants. <i>Catalysts</i> , 2017, 7, 344.	3.5	31
33	Solar Photocatalytic Decolorization and Degradation of Methyl Orange Using Supported TiO <sub>2</sub> . <i>Journal of Advanced Oxidation Technologies</i> , 2016, 19, .	0.5	7
34	Photocatalytic Oxidation of Carbamazepine: Application of an Experimental Design Methodology. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	14
35	Degradation of atrazine in aqueous solution with electrophotocatalytic process using TiO <sub>2</sub> photoanode. <i>Chemosphere</i> , 2016, 157, 79-88.	8.2	36
36	TiO <sub>2</sub> Nanotube arrays: Influence of tube length on the photocatalytic degradation of Paraquat. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 1-6.	20.2	185

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37	Preparation of effective TiO <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> photocatalysts for water treatment. Environmental Chemistry Letters, 2016, 14, 387-393.	16.2	38
38	Ta-doped TiO <sub>2</sub> as photocatalyst for UV-A activated elimination of chemical warfare agent simulant. Journal of Catalysis, 2016, 334, 129-141.	6.2	26
39	Cerium doped red mud catalytic ozonation for bezafibrate degradation in wastewater: Efficiency, intermediates, and toxicity. Chemosphere, 2016, 146, 22-31.	8.2	44
40	Cobalt modified red mud catalytic ozonation for the degradation of bezafibrate in water: Catalyst surface properties characterization and reaction mechanism. Chemical Engineering Journal, 2016, 284, 942-952.	12.7	65
41	Synthesis and characterization of TiO <sub>2</sub> /C nanomaterials: Applications in water treatment. Physica Status Solidi (B): Basic Research, 2015, 252, 2503-2511.	1.5	14
42	Effect of SiN <sub>x</sub> diffusion barrier thickness on the structural properties and photocatalytic activity of TiO <sub>2</sub> films obtained by sol-gel dip coating and reactive magnetron sputtering. Beilstein Journal of Nanotechnology, 2015, 6, 2039-2045.	2.8	8
43	TiO <sub>2</sub> /Bi <sub>2</sub> O <sub>3</sub> photocatalysts for elimination of water contaminants. Part 1: synthesis of $\hat{1}\pm$ - and $\hat{1}^2$ -Bi <sub>2</sub> O <sub>3</sub> nanoparticles. Environmental Chemistry Letters, 2015, 13, 327-332.	16.2	16
44	Photo-degradation of carbamazepine using TiO <sub>2</sub> suspended photocatalysts. Journal of the Taiwan Institute of Chemical Engineers, 2015, 54, 109-117.	5.3	77
45	H <sub>2</sub> S photocatalytic oxidation over WO <sub>3</sub> /TiO <sub>2</sub> Hombikat UV100. Environmental Science and Pollution Research, 2014, 21, 3503-3514.	5.3	29
46	Effect of calcium oxalate on the photocatalytic degradation of Orange II on ZnO surface. Applied Nanoscience (Switzerland), 2013, 3, 211-215.	3.1	3
47	Photoelectrocatalytic bleaching of p-nitrosodimethylaniline using Ti/TiO <sub>2</sub> nanostructured electrodes deposited by means of a pulsed laser deposition process. Journal of Applied Electrochemistry, 2013, 43, 467-479.	2.9	7
48	$\hat{1}^2$ -SiC foams as a promising structured photocatalytic support for water and air detoxification. Catalysis Today, 2013, 209, 13-20.	4.4	59
49	Modified TiO <sub>2</sub> For Environmental Photocatalytic Applications: A Review. Industrial & Engineering Chemistry Research, 2013, 52, 3581-3599.	3.7	1,296
50	Ethylene Removal and Fresh Product Storage: A Challenge at the Frontiers of Chemistry. Toward an Approach by Photocatalytic Oxidation. Chemical Reviews, 2013, 113, 5029-5070.	47.7	208
51	Photo-degradation of butyl parahydroxybenzoate by using TiO <sub>2</sub> -supported catalyst. Water Science and Technology, 2013, 67, 2141-2147.	2.5	20
52	TiO <sub>2</sub> / $\hat{1}^2$ -SiC foam-structured photoreactor for continuous wastewater treatment. Environmental Science and Pollution Research, 2012, 19, 3727-3734.	5.3	37
53	Comparison of Hombikat UV100 and P25 TiO <sub>2</sub> performance in gas-phase photocatalytic oxidation reactions. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 250, 58-65.	3.9	69
54	Environmental Chemistry for a Sustainable World. Environmental Chemistry for A Sustainable World, 2012, , .	0.5	15

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55	A parametric study of the UV-A photocatalytic oxidation of H <sub>2</sub> S over TiO <sub>2</sub> . Applied Catalysis B: Environmental, 2012, 115-116, 209-218.	20.2	59
56	Photoelectrocatalytic technologies for environmental applications. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 238, 41-52.	3.9	231
57	Social chemistry. Environmental Chemistry Letters, 2012, 10, 1-4.	16.2	7
58	Effect of compressive stress inducing a band gap narrowing on the photoinduced activities of sol-gel TiO <sub>2</sub> films. Thin Solid Films, 2011, 520, 1147-1154.	1.8	38
59	Preliminary study of the use of $\beta$ -SiC foam as a photocatalytic support for water treatment. Catalysis Today, 2011, 161, 3-7.	4.4	48
60	A simple procedure to quantitatively assess the photoactivity of titanium dioxide films. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 215, 11-16.	3.9	15
61	Ti/Cr-Pillared Clay As Photocatalysts For 4-Chlorophenol Removal In Water. Desalination and Water Treatment, 2010, 13, 437-440.	1.0	3
62	Photocatalytic degradation of indole in UV/TiO <sub>2</sub> : optimization and modelling using the response surface methodology (RSM). Environmental Chemistry Letters, 2009, 7, 45-49.	16.2	36
63	Use of oxalate sacrificial compounds to improve the photocatalytic performance of titanium dioxide. Applied Catalysis B: Environmental, 2009, 86, 93-97.	20.2	23
64	Design and study of a cost-effective solar photoreactor for pesticide removal from water. Water Science and Technology, 2009, 60, 2187-2193.	2.5	16
65	Batch studies for the investigation of the sorption of the heavy metals Pb <sup>2+</sup> and Zn <sup>2+</sup> onto Amizour soil (Algeria). Geoderma, 2009, 154, 30-35.	5.1	44
66	Photocatalytic degradation of the diuron pesticide. Environmental Chemistry Letters, 2008, 6, 163-167.	16.2	65
67	Optimization of the indole photodegradation on supported TiO <sub>2</sub> : influences of temperature, concentration, TiO <sub>2</sub> amount and flow rate. Water Science and Technology, 2008, 58, 549-554.	2.5	5
68	Poisoning prevention of TiO <sub>2</sub> photocatalyst coatings sputtered on soda-lime glass by intercalation of SiN <sub>x</sub> diffusion barriers. Surface and Coatings Technology, 2007, 201, 7706-7712.	4.8	44
69	Photosensitization of TiO <sub>2</sub> by M <sub>x</sub> O <sub>y</sub> and M <sub>x</sub> S <sub>y</sub> nanoparticles for heterogeneous photocatalysis applications. Catalysis Today, 2007, 122, 20-26.	4.4	305
70	The effect of landfill leachate composition on organics and nitrogen removal in an activated sludge system with bentonite additive. Journal of Environmental Management, 2007, 85, 59-68.	7.8	34
71	Leachate detoxification by combination of biological and TiO <sub>2</sub> -photocatalytic processes. Water Science and Technology, 2006, 53, 181-190.	2.5	29
72	UV-vis versus visible degradation of Acid Orange II in a coupled CdS/TiO <sub>2</sub> semiconductors suspension. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 183, 218-224.	3.9	192

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73	Landfill leachate treatment methods: A review. <i>Environmental Chemistry Letters</i> , 2006, 4, 51-61.	16.2	407
74	Photocatalytic activity of Cu <sub>2</sub> O/TiO <sub>2</sub> , Bi <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> and ZnMn <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> heterojunctions. <i>Catalysis Today</i> , 2005, 101, 315-321.	4.4	525
75	Solar photocatalytic degradation of humic acids as a model of organic compounds of landfill leachate in pilot-plant experiments: influence of inorganic salts. <i>Applied Catalysis B: Environmental</i> , 2004, 53, 127-137.	20.2	84
76	First approach of the selective treatment of water by heterogeneous photocatalysis. <i>Environmental Chemistry Letters</i> , 2004, 2, 5-8.	16.2	37
77	Selective solar photodegradation of organopollutant mixtures in water. <i>Solar Energy</i> , 2004, 77, 553-558.	6.1	38
78	Effect of alkaline-doped TiO <sub>2</sub> on photocatalytic efficiency. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 167, 49-57.	3.9	183
79	Bi <sub>2</sub> S <sub>3</sub> /TiO <sub>2</sub> and CdS/TiO <sub>2</sub> heterojunctions as an available configuration for photocatalytic degradation of organic pollutant. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2004, 163, 569-580.	3.9	532
80	NON LINEAR EIGENVALUE PROBLEMS. <i>Matematica Contemporanea</i> , 2004, 26, .	0.0	1
81	The study of photocatalytic activities of titania and titania-silica aerogels. <i>Applied Catalysis B: Environmental</i> , 2003, 46, 441-451.	20.2	68
82	Heterogeneous photocatalytic degradation of 3-nitroacetophenone in TiO <sub>2</sub> aqueous suspension. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 156, 195-200.	3.9	44
83	Synthesis of photocatalytic TiO <sub>2</sub> nanoparticles: optimization of the preparation conditions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 157, 47-53.	3.9	214
84	Introduction to <i>Environmental Chemistry Letters</i> . <i>Environmental Chemistry Letters</i> , 2003, 1, 1-1.	16.2	1
85	Solar photocatalysis: a clean process for water detoxification. <i>Science of the Total Environment</i> , 2002, 291, 85-97.	8.0	251
86	Photocatalytic decomposition of humic acids on TiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 152, 267-273.	3.9	124
87	Influence of pH and chloride anion on the photocatalytic degradation of organic compounds. <i>Applied Catalysis B: Environmental</i> , 2001, 35, 117-124.	20.2	133
88	Chemisorption of phenols and acids on TiO <sub>2</sub> surface. <i>Applied Surface Science</i> , 2000, 167, 51-58.	6.1	99
89	TiO <sub>2</sub> supported on glass fiber for the photocatalytic degradation of benzamide. <i>Journal of Materials Science Letters</i> , 2000, 19, 683-684.	0.5	16
90	Study of the Adsorption of Dicarboxylic Acids on Titanium Dioxide in Aqueous Solution. <i>Adsorption</i> , 2000, 6, 175-178.	3.0	17

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91	Titanium Dioxide Synthesis by Sol Gel Methods and Evaluation of Their Photocatalytic Activity. Journal of Materials Science Letters, 1999, 18, 97-98.	0.5	26
92	Photocatalytic degradation of methylbutandioic acid (MBA) in aqueous TiO <sub>2</sub> suspension: influences of MBA adsorption on the solid semi-conductor. Journal of Cleaner Production, 1998, 6, 335-338.	9.3	8
93	Synthesis of new C,N,S,Fe-multidoping nanoparticles with potential photochemical response. Journal of Dispersion Science and Technology, 0, , 1-10.	2.4	0