

# Sergio Morales-Torres

## List of Publications by Citations

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69

papers

2,422

citations

27

h-index

48

g-index

75

ext. papers

2,786

ext. citations

9.3

avg, IF

5.14

L-index

#	Paper	IF	Citations
69	Design of graphene-based TiO <sub>2</sub> photocatalysts--a review. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 3676-87	5.1	240
68	Advanced nanostructured photocatalysts based on reduced graphene oxide/TiO <sub>2</sub> composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Catalysis B: Environmental</i> , <b>2012</b> , 123-124, 241-256	21.8	234
67	Graphene oxide-P25 photocatalysts for degradation of diphenhydramine pharmaceutical and methyl orange dye. <i>Applied Surface Science</i> , <b>2013</b> , 275, 361-368	6.7	124
66	Multi-walled carbon nanotube/PVDF blended membranes with sponge- and finger-like pores for direct contact membrane distillation. <i>Desalination</i> , <b>2015</b> , 357, 233-245	10.3	122
65	Ceramic photocatalytic membranes for water filtration under UV and visible light. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 178, 12-19	21.8	108
64	Role of oxygen functionalities on the synthesis of photocatalytically active graphene/TiO <sub>2</sub> composites. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 329-340	21.8	99
63	Graphene oxide based ultrafiltration membranes for photocatalytic degradation of organic pollutants in salty water. <i>Water Research</i> , <b>2015</b> , 77, 179-190	12.5	88
62	Prototype composite membranes of partially reduced graphene oxide/TiO <sub>2</sub> for photocatalytic ultrafiltration water treatment under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2014</b> , 158-159, 361-372	21.8	84
61	Enhanced biocatalytic sustainability of laccase by immobilization on functionalized carbon nanotubes/polysulfone membranes. <i>Chemical Engineering Journal</i> , <b>2019</b> , 355, 974-985	14.7	82
60	Photocatalytic degradation of caffeine: Developing solutions for emerging pollutants. <i>Catalysis Today</i> , <b>2013</b> , 209, 108-115	5.3	77
59	TiO <sub>2</sub> , surface modified TiO <sub>2</sub> and graphene oxide-TiO <sub>2</sub> photocatalysts for degradation of water pollutants under near-UV/Vis and visible light. <i>Chemical Engineering Journal</i> , <b>2013</b> , 224, 17-23	14.7	75
58	Design of low-temperature Pt-carbon combustion catalysts for VOCs treatments. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 183, 814-22	12.8	69
57	Photocatalytic behaviour of nanocarbon/TiO <sub>2</sub> composites and immobilization into hollow fibres. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 142-143, 101-111	21.8	67
56	Carbon-based TiO <sub>2</sub> materials for the degradation of Microcystin-LA. <i>Applied Catalysis B: Environmental</i> , <b>2015</b> , 170-171, 74-82	21.8	60
55	Palladium and platinum catalysts supported on carbon nanofiber coated monoliths for low-temperature combustion of BTX. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 89, 411-419	21.8	59
54	Thin-film composite forward osmosis membranes based on polysulfone supports blended with nanostructured carbon materials. <i>Journal of Membrane Science</i> , <b>2016</b> , 520, 326-336	9.6	57
53	Synthesis of Ti <sub>x</sub> O <sub>y</sub> nanocrystals in mild synthesis conditions for the degradation of pollutants under solar light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 241, 385-392	21.8	47

52	Metal-doped carbon xerogels for the electro-catalytic conversion of CO <sub>2</sub> to hydrocarbons. <i>Carbon</i> , <b>2013</b> , 56, 324-331	10.4	46
51	An overview on exploration and environmental impact of unconventional gas sources and treatment options for produced water. <i>Journal of Environmental Management</i> , <b>2017</b> , 200, 511-529	7.9	45
50	Modification of the surface chemistry of single- and multi-walled carbon nanotubes by HNO <sub>3</sub> and H <sub>2</sub> SO <sub>4</sub> hydrothermal oxidation for application in direct contact membrane distillation. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12237-50	3.6	42
49	Textural and mechanical characteristics of carbon aerogels synthesized by polymerization of resorcinol and formaldehyde using alkali carbonates as basification agents. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 10365-72	3.6	41
48	Physicochemical properties of new cellulose-TiO <sub>2</sub> composites for the removal of water pollutants: Developing specific interactions and performances by cellulose functionalization. <i>Journal of Environmental Chemical Engineering</i> , <b>2018</b> , 6, 5032-5041	6.8	40
47	Preparation of carbon aerogel supported platinum catalysts for the selective hydrogenation of cinnamaldehyde. <i>Applied Catalysis A: General</i> , <b>2012</b> , 425-426, 161-169	5.1	34
46	Pt-catalysts supported on activated carbons for catalytic wet air oxidation of aniline: Activity and stability. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 105, 86-94	21.8	33
45	Nanodiamond-TiO Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , <b>2013</b> , 78, 801-807	2.8	31
44	Carbon-based monolithic supports for palladium catalysts: The role of the porosity in the gas-phase total combustion of m-xylene. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 77, 272-277	21.8	31
43	Photocatalytic activity of functionalized nanodiamond-TiO <sub>2</sub> composites towards water pollutants degradation under UV/Vis irradiation. <i>Applied Surface Science</i> , <b>2018</b> , 458, 839-848	6.7	30
42	Desalination and removal of organic micropollutants and microorganisms by membrane distillation. <i>Desalination</i> , <b>2018</b> , 437, 121-132	10.3	27
41	Wet air oxidation of trinitrophenol with activated carbon catalysts: Effect of textural properties on the mechanism of degradation. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 100, 310-317	21.8	27
40	Role of Nitrogen Doping on the Performance of Carbon Nanotube Catalysts: A Catalytic Wet Peroxide Oxidation Application. <i>ChemCatChem</i> , <b>2016</b> , 8, 2068-2078	5.2	26
39	Structural characterization of carbon xerogels: From film to monolith. <i>Microporous and Mesoporous Materials</i> , <b>2012</b> , 153, 24-29	5.3	25
38	Coupling Noble Metals and Carbon Supports in the Development of Combustion Catalysts for the Abatement of BTX Compounds in Air Streams. <i>Catalysts</i> , <b>2015</b> , 5, 774-799	4	20
37	On the Interactions and Synergism between Phases of Carbon?Phosphorus?Titanium Composites Synthesized from Cellulose for the Removal of the Orange-G Dye. <i>Materials</i> , <b>2018</b> , 11,	3.5	20
36	Chemical control of the characteristics of Mo-doped carbon xerogels by surfactant-mediated synthesis. <i>Carbon</i> , <b>2013</b> , 51, 213-223	10.4	18
35	Functionalized Cellulose for the Controlled Synthesis of Novel Carbon-Ti Nanocomposites: Physicochemical and Photocatalytic Properties. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	17

34	Synthesis and characterization of carbon xerogel/graphene hybrids as adsorbents for metronidazole pharmaceutical removal: Effect of operating parameters. <i>Separation and Purification Technology</i> , <b>2020</b> , 237, 116341	8.3	17
33	Carbon - iron electro-catalysts for CO <sub>2</sub> reduction. The role of the iron particle size. <i>Journal of CO<sub>2</sub> Utilization</i> , <b>2018</b> , 24, 240-249	7.6	15
32	Development of carbon coatings for cordierite foams: an alternative to cordierite honeycombs. <i>Langmuir</i> , <b>2008</b> , 24, 3267-73	4	15
31	The pH effect on the kinetics of 4-nitrophenol removal by CWPO with doped carbon black catalysts. <i>Catalysis Today</i> , <b>2020</b> , 356, 216-225	5.3	14
30	Advanced oxidation technologies combined with direct contact membrane distillation for treatment of secondary municipal wastewater. <i>Chemical Engineering Research and Design</i> , <b>2020</b> , 140, 111-123	5.5	12
29	Carbon-based monoliths for the catalytic elimination of benzene, toluene and m-xylene. <i>Applied Catalysis A: General</i> , <b>2009</b> , 366, 282-287	5.1	12
28	Carbon nanotubes as catalysts for wet peroxide oxidation: The effect of surface chemistry. <i>Catalysis Today</i> , <b>2020</b> , 357, 332-340	5.3	10
27	Fitting Biochars and Activated Carbons from Residues of the Olive Oil Industry as Supports of Fe-Catalysts for the Heterogeneous Fenton-Like Treatment of Simulated Olive Mill Wastewater. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
26	Photocatalytic Performance of ZnO-Graphene Oxide Composites towards the Degradation of Vanillic Acid under Solar Radiation and Visible-LED. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	8
25	Functionalized Graphene Derivatives and TiO <sub>2</sub> for High Visible Light Photodegradation of Azo Dyes. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
24	Influence of surfactants on the physicochemical properties and catalytic behaviour of Mo-doped carbon xerogels. <i>Catalysis Today</i> , <b>2018</b> , 301, 217-225	5.3	7
23	Integration of olive stones in the production of Fe/AC-catalysts for the CWPO treatment of synthetic and real olive mill wastewater. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128451	14.7	6
22	Syngas production by bi-reforming methane on an Ni-K-promoted catalyst using hydrotalcites and filamentous carbon as a support material.. <i>RSC Advances</i> , <b>2020</b> , 10, 21158-21173	3.7	5
21	Nanodiamond-TiO <sub>2</sub> Composites for Heterogeneous Photocatalysis. <i>ChemPlusChem</i> , <b>2013</b> , 78, 750	2.8	5
20	Influence of Electrostatic Interactions During the Resorcinol-Formaldehyde Polymerization on the Characteristics of Mo-Doped Carbon Gels. <i>Processes</i> , <b>2020</b> , 8, 746	2.9	5
19	Cellulose/TiO <sub>2</sub> composites for the removal of water pollutants <b>2020</b> , 329-358		4
18	Graphene photocatalysts <b>2018</b> , 79-101		4
17	Composite Materials Based on (Cymene)Ru(II) Curcumin Additives Loaded on Porous Carbon Adsorbents from Agricultural Residues Display Efficient Antibacterial Activity. <i>ACS Applied Bio Materials</i> , <b>2018</b> , 1, 153-159	4.1	4

16	A new platform for facile synthesis of hybrid TiO <sub>2</sub> nanostructures by various functionalizations of cellulose to be used in highly-efficient photocatalysis. <i>Materials Letters</i> , <b>2020</b> , 274, 128016	3.3	3
15	In situ growth and crystallization of TiO <sub>2</sub> on polymeric membranes for the photocatalytic degradation of diclofenac and 17 $\beta$ -ethinylestradiol. <i>Chemical Engineering Journal</i> , <b>2022</b> , 427, 131476	14.7	3
14	One-Pot Thermal Synthesis of g-CN/ZnO Composites for the Degradation of 5-Fluoruracil Cytostatic Drug under UV-LED Irradiation.. <i>Nanomaterials</i> , <b>2022</b> , 12,	5.4	2
13	Specific adsorbents for the treatment of OMW phenolic compounds by activation of bio-residues from the olive oil industry.. <i>Journal of Environmental Management</i> , <b>2022</b> , 306, 114490	7.9	2
12	Syngas production by bi-reforming of methane on a bimetallic Ni-ZnO doped zeolite 13X. <i>Fuel</i> , <b>2021</b> , 311, 122592	7.1	2
11	GlucoseCarbon Hybrids as Pt Catalyst Supports for the Continuous Furfural Hydroconversion in Gas Phase. <i>Catalysts</i> , <b>2021</b> , 11, 49	4	2
10	Carbon Nanomaterials for Air and Water Remediation <b>2021</b> , 331-365		1
9	A Comparative Study of Aromatization Catalysts: The Advantage of Hybrid Oxy/Carbides and Platinum-Catalysts Based on Carbon Gels. <i>Journal of Carbon Research</i> , <b>2021</b> , 7, 21	3.3	1
8	Graphene Derivatives in Photocatalysis <b>2015</b> , 249-276		0
7	Sustainable iron-olive stone-based catalysts for Fenton-like olive mill wastewater treatment: Development and performance assessment in continuous fixed-bed reactor operation. <i>Chemical Engineering Journal</i> , <b>2022</b> , 435, 134809	14.7	0
6	Enhanced catalytic performance of ZnO/carbon materials in the green synthesis of poly-substituted quinolines. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 10, 106879	6.8	0
5	Analytical Methods in Biodiesel Production. <i>Energy, Environment, and Sustainability</i> , <b>2020</b> , 197-219	0.8	0
4	Graphene-Based Membranes for Separation Engineering <b>2016</b> , 133-154		
3	Biomedical-related applications of functionalized nanomaterials <b>2020</b> , 205-230		
2	Polymer Membranes for Water Desalination and Treatment <b>2016</b> , 251-286		
1	Photocatalytic membranes: Synthesis, properties, and applications <b>2021</b> , 385-406		