Sergio ObregÃ³n

List of Publications by Year
in descending order

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64 papers	3,150 citations	136740 32 h-index	155451 55 g-index
64 all docs	64 docs citations	64 times ranked	4004 citing authors

#	Article	IF	Citations
1	Photocatalytic TiO2 thin films and coatings prepared by solâ€“gel processing: a brief review. Journal of Sol-Gel Science and Technology, 2022, 102, 125-141.	1.1	33
2	Fabrication of graphitic carbon nitride films by inkjet printing. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 610, 125919.	2.3	5
3	Role of assisting reagents on the synthesis of Î±-Fe2O3 by microwave-assisted hydrothermal reaction. Journal of Materials Science: Materials in Electronics, 2021, 32, 9551-9566.	1.1	3
4	Layered double hydroxides and related hybrid materials for removal of pharmaceutical pollutants from water. Journal of Environmental Management, 2021, 288, 112399.	3.8	37
5	Photocatalytic Degradation of Pharmaceuticals through Bulk and Mesoporous g-C3N4/TiO2 Systems. Journal of Photocatalysis, 2021, 2, 105-113.	0.4	0
6	Calcium carbonate hierarchical structures formed by a combined electrophoretic/electrochemical deposition. Materials Letters, 2021, 295, 129856.	1.3	6
7	New insights into the fluorescent sensing of Fe3+ ions by g-C3N4 prepared from different precursors. Materials Research Bulletin, 2021, 142, 111385.	2.7	14
8	Electrophoretic deposition of flower-like CaBiVMoO8 particles for the photocatalytic degradation of pharmaceutical pollutants. Colloids and Interface Science Communications, 2020, 34, 100223.	2.0	2
9	Effect of the Ni(NO3)2 additive on the electrophoretic deposition of NiO nanoparticles. Ceramics International, 2020, 46, 28528-28535.	2.3	4
10	A novel type-II Bi2W2O9/g-C3N4 heterojunction with enhanced photocatalytic performance under simulated solar irradiation. Materials Science in Semiconductor Processing, 2020, 113, 105056.	1.9	28
11	An approach to the photocatalytic mechanism in the TiO2-nanomaterials microorganism interface for the control of infectious processes. Applied Catalysis B: Environmental, 2020, 270, 118853.	10.8	126
12	An efficient and stable WO3/g-C3N4 photocatalyst for ciprofloxacin and orange G degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112010.	2.0	59
13	Effective coupling of BiPO4/g-C3N4 hybrid composites in ciprofloxacin photodegradation. Research on Chemical Intermediates, 2019, 45, 3865-3878.	1.3	22
14	SBA-15 assisted preparation of mesoporous g-C3N4 for photocatalytic H2 production and Au3+ fluorescence sensing. Applied Surface Science, 2019, 488, 205-212.	3.1	53
15	Electrophoretic deposition of photocatalytic materials. Advances in Colloid and Interface Science, 2019, 269, 236-255.	7.0	56
16	Facile preparation of BiVO4 thin film by screen-printing technique for its photocatalytic performance in the degradation of tetracycline under simulated sunlight irradiation. Research on Chemical Intermediates, 2019, 45, 2855-2867.	1.3	8
17	Nanocrystalline ErVO4 as a novel photocatalyst for degradation of organic compounds and solar fuels production. Journal of Materials Science: Materials in Electronics, 2018, 29, 3967-3972.	1.1	7
18	Electrophoretic deposition of PbMoO4 nanoparticles for photocatalytic degradation of tetracycline. Applied Surface Science, 2018, 457, 501-507.	3.1	34

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19	Photocatalytic performance of CaBiVMoO8 catalysts for orangeÂG and rhodamineÂB degradation. Research on Chemical Intermediates, 2017, 43, 5727-5739.	1.3	4
20	Novel g-C 3 N 4 photocatalytic coatings with spearhead-like morphology prepared by an electrophoretic deposition route. Materials Letters, 2017, 200, 59-62.	1.3	15
21	Facile Synthesis of Ultrafine Akaganeite Nanoparticles for the Removal of Hexavalent Chromium: Adsorption Properties, Isotherm and Kinetics. Journal of Nanoscience and Nanotechnology, 2017, 17, 4471-4479.	0.9	11
22	Synthesis and characterization of CaBiVMoO8 as a novel visible-light-driven photocatalyst. Materials Letters, 2017, 189, 164-167.	1.3	7
23	Direct evidence of the photocatalytic generation of reactive oxygen species (ROS) in a Bi2W2O9 layered-structure. Journal of Colloid and Interface Science, 2017, 506, 111-119.	5.0	48
24	Photocatalytic Escherichia coli inactivation by means of trivalent Er 3+ , Y 3+ doping of BiVO 4 system. Applied Catalysis A: General, 2016, 526, 126-131.	2.2	20
25	Enhanced photocatalytic behavior of BiVO4 through photoinduced charge transfer to amorphous Î²-FeOOH nanoparticles. Ceramics International, 2016, 42, 17773-17780.	2.3	10
26	Electrophoretic deposition of CdS coatings and their photocatalytic activities in the degradation of tetracycline antibiotic. Applied Surface Science, 2016, 386, 412-417.	3.1	60
27	Long-lived photoinduced charge-carriers in Er3+ doped CaTiO3 for photocatalytic H2 production under UV irradiation. Catalysis Communications, 2016, 84, 36-39.	1.6	15
28	Loading effects of silver nanoparticles on hydrogen photoproduction using a Cu-TiO2 photocatalyst. Materials Letters, 2016, 173, 174-177.	1.3	20
29	Performance of the polymeric g-C3N4 photocatalyst through the degradation of pharmaceutical pollutants under UVâ€“vis irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 324, 47-52.	2.0	138
30	Cascade charge separation mechanism by ternary heterostructured BiPO4/TiO2/g-C3N4 photocatalyst. Applied Catalysis B: Environmental, 2016, 184, 96-103.	10.8	100
31	TiO2-clay based nanoarchitectures for enhanced photocatalytic hydrogen production. Microporous and Mesoporous Materials, 2016, 222, 120-127.	2.2	30
32	Cuâ€“TiO2 systems for the photocatalytic H2 production: Influence of structural and surface support features. Applied Catalysis B: Environmental, 2015, 179, 468-478.	10.8	79
33	Facile Synthesis of Decahedral Particles of Anatase TiO₂ with Exposed {001} Facets. Journal of Nanoscience and Nanotechnology, 2015, 15, 7351-7356.	0.9	4
34	Effective photoreduction of a nitroaromatic environmental endocrine disruptor by AgNPs functionalized on nanocrystalline TiO₂. RSC Advances, 2015, 5, 15194-15197.	1.7	21
35	A novel two-steps solvothermal synthesis of nanosized BiPO4 with enhanced photocatalytic activity. Journal of Molecular Catalysis A, 2015, 402, 92-99.	4.8	17
36	The role of silver nanoparticles functionalized on TiO₂for photocatalytic disinfection of harmful algae. RSC Advances, 2015, 5, 44470-44475.	1.7	22

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37	On the origin of the photocatalytic activity improvement of BIVO4 through rare earth tridoping. Applied Catalysis A: General, 2015, 501, 56-62.	2.2	31
38	Visible and near-infrared light-driven photocatalytic activity of erbium-doped CaTiO3 system. Journal of Molecular Catalysis A, 2015, 410, 19-25.	4.8	43
39	Facile synthesis of InVO4/TiO2 heterojunction photocatalysts with enhanced photocatalytic properties under UVâ€“vis irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 2015, 299, 152-158.	2.0	44
40	Photocatalytic activity of bismuth vanadates under UV-A and visible light irradiation: Inactivation of Escherichia coli vs oxidation of methanol. Catalysis Today, 2015, 240, 93-99.	2.2	31
41	Evolution of H2 photoproduction with Cu content on CuO -TiO2 composite catalysts prepared by a microemulsion method. Applied Catalysis B: Environmental, 2015, 163, 214-222.	10.8	61
42	Water splitting performance of Er3+-doped YVO4 prepared from a layered K3V5O14 precursor. Chemical Engineering Journal, 2015, 262, 29-33.	6.6	15
43	Heterostructured Er3+ doped BiVO4 with exceptional photocatalytic performance by cooperative electronic and luminescence sensitization mechanism. Applied Catalysis B: Environmental, 2014, 158-159, 242-249.	10.8	94
44	Improved H2 production of Pt-TiO2/g-C3N4-MnOx composites by an efficient handling of photogenerated charge pairs. Applied Catalysis B: Environmental, 2014, 144, 775-782.	10.8	111
45	Excellent photocatalytic activity of Yb3+, Er3+ co-doped BiVO4 photocatalyst. Applied Catalysis B: Environmental, 2014, 152-153, 328-334.	10.8	84
46	A ternary Er3+-BiVO4/TiO2 complex heterostructure with excellent photocatalytic performance. RSC Advances, 2014, 4, 6920.	1.7	40
47	Bifunctional, Monodisperse BiPO4-Based Nanostars: Photocatalytic Activity and Luminescent Applications. Crystal Growth and Design, 2014, 14, 3319-3326.	1.4	45
48	Improved O₂ evolution from a water splitting reaction over Er³⁺ and Y³⁺ co-doped tetragonal BiVO₄. Catalysis Science and Technology, 2014, 4, 2042-2050.	2.1	42
49	Exalted photocatalytic activity of tetragonal BiVO₄by Er³⁺doping through a luminescence cooperative mechanism. Dalton Transactions, 2014, 43, 311-316.	1.6	71
50	Active Site Considerations on the Photocatalytic H₂ Evolution Performance of Cu-Doped TiO₂ Obtained by Different Doping Methods. ACS Catalysis, 2014, 4, 3320-3329.	5.5	96
51	On the different photocatalytic performance of BiVO4 catalysts for Methylene Blue and Rhodamine B degradation. Journal of Molecular Catalysis A, 2013, 376, 40-47.	4.8	77
52	Erbium doped TiO2â€“Bi2WO6 heterostructure with improved photocatalytic activity under sun-like irradiation. Applied Catalysis B: Environmental, 2013, 140-141, 299-305.	10.8	82
53	High-performance Er3+â€“TiO2 system: Dual up-conversion and electronic role of the lanthanide. Journal of Catalysis, 2013, 299, 298-306.	3.1	108
54	Improved photocatalytic activity of g-C3N4/TiO2 composites prepared by a simple impregnation method. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 253, 16-21.	2.0	235

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55	Monoclinicâ€“Tetragonal Heterostructured BiVO₄ by Yttrium Doping with Improved Photocatalytic Activity. Journal of Physical Chemistry C, 2013, 117, 24479-24484.	1.5	134
56	Evidence of upconversion luminescence contribution to the improved photoactivity of erbium doped TiO2 systems. Chemical Communications, 2012, 48, 7865.	2.2	85
57	Hydrothermal synthesis of BiVO4: Structural and morphological influence on the photocatalytic activity. Applied Catalysis B: Environmental, 2012, 117-118, 59-66.	10.8	175
58	Photocatalytic coatings of silverâ€“TiO2 nanocomposites on foamed waste-glass prepared by sonochemical process. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 71-76.	2.0	30
59	Photocatalytic behavior of Î±-Bi2Mo3O12 prepared by the Pechini method: degradation of organic dyes under visible-light irradiation. Research on Chemical Intermediates, 2010, 36, 925-936.	1.3	11
60	Synthesis, characterization and visible-light photocatalytic properties of Bi2WO6 and Bi2W2O9 obtained by co-precipitation method. Applied Catalysis A: General, 2010, 383, 128-133.	2.2	91
61	Synthesis and characterization of Î³-Bi2MoO6 prepared by co-precipitation: Photoassisted degradation of organic dyes under vis-irradiation. Journal of Molecular Catalysis A, 2010, 320, 85-91.	4.8	92
62	Red Tide Inactivation by Silver Doped TiO₂ Produced in Sono-Chemistry Method. Materials Science Forum, 2010, 658, 280-283.	0.3	2
63	Remove of marine plankton by photocatalysts with Aurivillius-type structure. Catalysis Communications, 2010, 11, 326-330.	1.6	21
64	Photocatalytic properties of Bi2MoO6 nanoparticles prepared by an amorphous complex precursor. Catalysis Today, 2007, 129, 194-199.	2.2	81