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#	Paper	IF	Citations
391	Photocatalytic degradation of recalcitrant micropollutants by reusable Fe 3 O 4 /SiO 2 /TiO 2 particles. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2017</b> , 345, 27-35	4.7	33
390	A review of noble metal (Pd, Ag, Pt, Au) linc oxide nanocomposites: synthesis, structures and applications. <b>2017</b> , 28, 16585-16597		28
389	Reusable Photocatalytic Optical Fibers for Underground, Deep-Sea, and Turbid Water Remediation. <b>2018</b> , 2, 1700124		5
388	Efficient inactivation of Pseudomonas aeruginosa by Cu/Co-ENiMoO4 in visible light. <b>2018</b> , 347, 366-37	8	23
387	The role of lanthanides in TiO2-based photocatalysis: A review. <b>2018</b> , 233, 301-317		99
386	Visible light photocatalytic activity of solgel Ni-doped TiO2 on p-arsanilic acid degradation. <b>2018</b> , 85, 723-731		22
385	Enhanced UVII isible photocatalytic activity of Cu-doped ZnO/TiO2 nanoparticles. 2018, 29, 5480-5495		28
384	Novel one-step synthesis of sulfur doped-TiO2 by flame spray pyrolysis for visible light photocatalytic degradation of acetaldehyde. <b>2018</b> , 339, 249-258		69
383	Review on the criteria anticipated for the fabrication of highly efficient ZnO-based visible-light-driven photocatalysts. <b>2018</b> , 62, 1-25		576
382	Synthesis of iron-MFI zeolite and its photocatalytic application for hydroxylation of phenol. <b>2018</b> , 44, 2475-2487		18
381	Improvement of the photocatalytic activity of TiO2 using Colombian Caribbean species (Syzygium cumini) as natural sensitizers: Experimental and theoretical studies. <b>2018</b> , 150, 370-376		21
380	Rare earth metal Gd influenced defect sites in N doped TiO2: Defect mediated improved charge transfer for enhanced photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 2073-2082	6.7	47
379	Effect of Cu addition on TiO2 surface properties and photocatalytic performance: X-ray Absorption Spectroscopy analysis. <b>2018</b> , 120, 231-240		15
378	Visible-light photosensitization of ZnO by Bi2MoO6 and AgBr: Role of tandem n-n heterojunctions in efficient charge transfer and photocatalytic performances. <b>2018</b> , 214, 107-119		37
377	Evaluation of SnO for sunlight photocatalytic decontamination of water. <i>Journal of Environmental Management</i> , <b>2018</b> , 217, 805-814	7.9	24
376	Influence of iron doping on photocatalytic activity of TiO2 coatings formed on titanium by plasma electrolytic oxidation. <b>2018</b> , 29, 9427-9434		10
375	Study on the degradation mechanism and pathway of benzene dye intermediate 4-methoxy-2-nitroaniline multiple methods in Fenton oxidation process <b>2018</b> , 8, 10764-10775		11

374	Evaluating the efficiency of nano-sized Cu doped TiO2/ZnO photocatalyst under visible light irradiation. <b>2018</b> , 258, 354-365	116
373	Polyethylene glycol-doped BiZnVO as a high-efficiency solar-light-activated photocatalyst with substantial durability toward photodegradation of organic contaminations <b>2018</b> , 8, 37480-37491	6
372	Effects of Pt-loading on Formation and Visible Light-Induced Photocatalytic Activity of Bismuth Titanate. <b>2018</b> , 97, 70-76	
371	Formation of Stainless Steel Nanoballs via Submerged Glow-discharge Plasma and their Microstructural Analysis with Evaluation of Photocatalytic Activity. <b>2018</b> , 58, 1162-1167	2
370	Surface modification of micro-sized CuO by in situ-growing heterojunctions CuO/Cu2O and CuO/Cu2O/Cu: effect on surface charges and photogenerated carrier lifetime. <b>2018</b> , 124, 1	8
369	Semiconductor Eco-Materials for Water Treatment. <b>2018</b> , 1-27	1
368	Titanium Dioxide/Graphene and Titanium Dioxide/Graphene Oxide Nanocomposites: Synthesis, Characterization and Photocatalytic Applications for Water Decontamination. <i>Catalysts</i> , <b>2018</b> , 8, 491	50
367	Preparation, characterization, and application of TiO2/Carbon composite: Adsorption, desorption and photocatalysis of Gd-DOTA. <b>2018</b> , 120, 195-205	5
366	Study on the morphology and photocatalytic activity of TiO2 nanotube arrays produced by anodizing in organic electrolyte with Ni, Na, and C as dopants. <b>2018</b> , 22, 3883-3893	O
365	A Facile Synthesis of Visible-Light Driven Rod-on-Rod like FeOOH/FAgVO3 Nanocomposite as Greatly Enhanced Photocatalyst for Degradation of Rhodamine B. <i>Catalysts</i> , <b>2018</b> , 8, 392	29
364	Roles of Vanadium and Nitrogen in Photocatalytic Activity of VN-Codoped TiO Photocatalyst. <b>2018</b> , 94, 955-964	5
363	An investigation of the biochar-based visible-light photocatalyst via a self-assembly strategy.  Journal of Environmental Management, <b>2018</b> , 217, 175-182  7-9	18
362	Anion-controlled sulfidation for decoration of graphene oxide with iron cobalt sulfide for rapid sonochemical dyes removal in the absence of light. <b>2018</b> , 561, 49-58	11
361	Photocatalytic-oxidation and photo-persulfate-oxidation of sulfadiazine in a laboratory-scale reactor: Analysis of catalyst support, oxidant dosage, removal-rate and degradation pathway. 7.9  Journal of Environmental Management, <b>2018</b> , 222, 164-173	34
360	Experimental investigation of new photocatalytic continuous coaxial cylinder reactor for elimination of linear alkylbenzene sulfonic acid from waste water using nanotechnology. <b>2018</b> , 264, 165-171	6
359	Effects of photocatalytic activity of metal and non-metal doped Tio2 for Hydrogen production enhancement - A Review. <b>2018</b> , 1027, 012006	15
358	Mesoporous TiO with WO functioning as dopant and light-sensitizer: A highly efficient photocatalyst for degradation of organic compound. <i>Journal of Hazardous Materials</i> , <b>2018</b> , 358, 44-52	29
357	Easy synthesis of TiO2 hollow fibers using kapok as a biotemplate for photocatalytic degradation of the herbicide paraquat. <b>2018</b> , 228, 482-485	27

356	Z-scheme CuFe2O4IIiO2 nanocomposite microspheres for the photodegradation of methylene blue. <b>2018</b> , 44, 7107-7116		5
355	A Semi-Pilot Photocatalytic Rotating Reactor (RFR) with Supported TiO/Ag Catalysts for Water Treatment. <b>2018</b> , 23,		6
354	CO Preferential Photo-Oxidation in Excess of Hydrogen in Dark and Simulated Solar Light Irradiation over AuCu-Based Catalysts on SBA-15 Mesoporous Silica-Titania. <b>2018</b> , 11,		8
353	One-step synthesis of Co-doped UiO-66 nanoparticle with enhanced removal efficiency of tetracycline: Simultaneous adsorption and photocatalysis. <b>2018</b> , 353, 126-137		227
352	Recent developments of metal oxide based heterostructures for photocatalytic applications towards environmental remediation. <b>2018</b> , 267, 35-52		120
351	Enhancement of photocatalytic activity of Gd(OH)3 nanoparticles by Pd deposition for reduction of CO2 to methanol. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2018</b> , 367, 89-93	4.7	8
350	Synthesis of Silver-Doped Titanium Dioxide Nanotubes by Single-Step Anodization for Enhanced Photodegradation of Acid Orange 52. <b>2019</b> , 950, 149-153		2
349	Synthesis of the Materials with a Switchable Wettability Based on Photosensitive Terpolymers Containing Poly(Titanium Oxide). <b>2019</b> , 10, 431-437		2
348	One-pot synthesis of ZnOAg and ZnOCo nanohybrid materials for photocatalytic applications. <b>2019</b> , 135, 109120		11
347	Photocatalytic and Kinetic Study on the Degradation of Three Food Pesticides Using Vanadium-Substituted Polyoxotungstates. <b>2019</b> , 13, 899-907		4
346	Treatment of Water and Wastewater for Reuse and Energy Generation-Emerging Technologies. <b>2019</b> ,		5
345	Photocatalytic disinfection and purification of water employing reduced graphene oxide/TiO2 composites. <b>2019</b> , 94, 3905-3914		10
344	Introductory Chapter: A Brief Semblance of the Sol-Gel Method in Research. 2019,		4
343	MoO3 and Ag co-synthesized TiO2 as a novel heterogeneous photocatalyst with enhanced visible-light-driven photocatalytic activity for methyl orange dye degradation. <b>2019</b> , 12, 100244		14
342	Effect of gold and iron nanoparticles on photocatalytic behaviour of titanium dioxide towards 1-butyl-3-methylimidazolium chloride ionic liquid. <b>2019</b> , 291, 111277		14
341	The green synthesis of Ag-loaded photocatalyst via DBD cold plasma assisted deposition of Ag nanoparticles on N-doped TiO2 nanotubes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111971	4.7	9
340	Photocatalytic activity improvement and application of UV-TiO2 photocatalysis in textile wastewater treatment: A review. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103248	6.8	280
339	Investigation of photocatalytic behavior of modified ZnS:Mn/MWCNTs nanocomposite for organic pollutants effective photodegradation. <i>Journal of Environmental Management</i> , <b>2019</b> , 247, 624-632	7.9	34

338	Multifunctional Hybrid Materials Based on Layered Double Hydroxide towards Photocatalysis. <b>2019</b> , 215-241		2
337	Comparison of the effects generated by the dry-soft grinding and the photodeposition of Au and Pt processes on the visible light absorption and photoactivity of TiO2. <b>2019</b> , 6, 1050d9		2
336	Role of Ag (0) deposited on TiO2 nanoparticles for superior photocatalytic performance induced by calcination. <b>2019</b> , 98, 109407		5
335	The effect of heat treatment temperature and Mg doping on structural and photocatalytic activity of ZnO thin films fabricated by RF magnetron co-sputtering technique. <b>2019</b> , 30, 18484-18495		7
334	Zr-Modified ZnO for the Selective Oxidation of Cinnamaldehyde to Benzaldehyde. <i>Catalysts</i> , <b>2019</b> , 9, 716	4	2
333	Fabrication of Nanorods-TiO2 for Heterojunction Thin Film Application with Electrodeposit-p-Cu2O Absorbing Layer. <i>Materials Today: Proceedings</i> , <b>2019</b> , 18, 468-472	1.4	
332	The effect of cobalt doping on the efficiency of semiconductor oxides in the photocatalytic water remediation. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103475	6.8	15
331	. 2019,		2
330	Eco-Toxicological and Kinetic Evaluation of TiO2 and ZnO Nanophotocatalysts in Degradation of Organic Dye. <i>Catalysts</i> , <b>2019</b> , 9, 871	4	9
329	One-pot hydrothermal synthesis and characterization of magnetic nanocomposite of titania-deposited copper ferrite/ferrite oxide for photocatalytic decomposition of methylene blue dye. <b>2019</b> , 9, 327-338		6
328	Preparation of TiO and Fe-TiO with an Impinging Stream-Rotating Packed Bed by the Precipitation Method for the Photodegradation of Gaseous Toluene. <b>2019</b> , 9,		11
327	Energy transfer by plasmon-induced local electromagnetic field in Au-based TiO2 plasmonic photocatalysts. <b>2019</b> , 45, 5203-5215		5
326	Photocatalytic Adsorbents Nanoparticles. 2019,		1
325	Ce-doped UiO-67 nanocrystals with improved adsorption property for removal of organic dyes <b>2019</b> , 9, 27674-27683		18
324	Development of Smart Composites Based on Doped-TiO Nanoparticles with Visible Light Anticancer Properties. <b>2019</b> , 12,		17
323	Recent Advances in TiO2 Films Prepared by Sol-gel Methods for Photocatalytic Degradation of Organic Pollutants and Antibacterial Activities. <b>2019</b> , 9, 613		48
322	Comparison of the photoactivity of TiO2 coatings using a flat panel reactor and FTIR to monitor the CO2 evolution rate. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103336	6.8	2
321	Effect of sodium persulfate as electron acceptor on antipyrine degradation by solar TiO2 or TiO2/rGO photocatalysis. <b>2019</b> , 364, 257-268		62

320	Enhanced photocatalytic performance of magnetic multi-walled carbon nanotubes/cerium dioxide nanocomposite. <b>2019</b> , 171, 587-593		17
319	Synthesis of highly crystalline photocatalysts based on TiO2 and ZnO for the degradation of organic impurities under visible-light irradiation. <b>2019</b> , 25, 309-325		31
318	Bridging the gap between laboratory and application in photocatalytic water purification. <b>2019</b> , 9, 533-	545	29
317	Bio-inspired hierarchical hetero-architectures of in-situ C-doped g-C3N4 grafted on C, N co-doped ZnO micro-flowers with booming solar photocatalytic activity. <b>2019</b> , 77, 393-407		43
316	Black carbon-doped TiO2 films: Synthesis, characterization and photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111941	4.7	56
315	Ag loaded B-doped-g CN nanosheet with efficient properties for photocatalysis. <i>Journal of Environmental Management</i> , <b>2019</b> , 247, 57-66	7.9	25
314	Effect of metal ion addition on structural characteristics and photocatalytic activity of ordered mesoporous titania. <b>2019</b> , 91, 539-551		8
313	Monocrotophos pesticide effectively removed by novel visible light driven Cu doped ZnO photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 382, 111923	4.7	54
312	Photocatalytic performance of N-doped TiO2nano-SiO2-HY nanocomposites immobilized over cotton fabrics. <b>2019</b> , 8, 1933-1943		23
311	Sustainable and easy recoverable magnetic TiO2-Lignocellulosic Biomass@Fe3O4 for solar photocatalytic water remediation. <b>2019</b> , 233, 841-847		38
310	Synthesis and characterization of AgO/BO/TiO ternary nanocomposites for photocatalytic mineralization of local dyeing wastewater under artificial and natural sunlight irradiation. <b>2019</b> , 26, 199	942-19	9 <del>67</del>
309	Growing Co-doped TiO2 nanosheets on reduced graphene oxide for efficient photocatalytic removal of tetracycline antibiotic from aqueous solution and modeling the process by artificial neural network. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 799, 169-182	5.7	33
308	Decolorization of Orange-G Aqueous Solutions over C60/MCM-41 Photocatalysts. <i>Applied Sciences</i> (Switzerland), <b>2019</b> , 9, 1958	2.6	7
307	Bandgap engineered (tin & carbon co-doped) bismuth titanate nanowires for improved visible-light assisted photocatalytic application. <b>2019</b> , 12, 100228		4
306	Facile fabrication of a new BiFeWO6/HAgVO3 composite with efficient visible-light photocatalytic activity for dye-degradation. <b>2019</b> , 92, 284-293		23
305	Metaloxide Nanomaterials and Nanocomposites of Ecological Purpose. <b>2019</b> , 2019, 1-31		40
304	Visible-Light Induced Photodegradation of Methyl Orange via Palladium Nanoparticles Anchored to Chrome and Nitrogen Doped TiO2 Nanoparticles. <b>2019</b> , 29, 1457-1465		3
303	Hierarchical hollow SiO2@TiO2 sphere structure for enhancing the lubrication and photo-catalytic degradation of liquid paraffin. <b>2019</b> , 167, 599-607		13

302	Synthesis of ZnO by thermal decomposition of different precursors: photocatalytic performance under UV and visible light illumination. <b>2019</b> , 6, 055911		10
301	Nanostructured Imprinted Supported Photocatalysts: Organic and Inorganic Matrixes. 2019, 1-48		О
300	NIIiO2 Photocatalysts: A Review of Their Characteristics and Capacity for Emerging Contaminants Removal. <b>2019</b> , 11, 373		63
299	SOLVENT RECYCLING, REMOVAL, AND DEGRADATION. <b>2019</b> , 1635-1727		
298	Metal/Semiconductor Nanocomposites for Photocatalysis: Fundamentals, Structures, Applications and Properties. <b>2019</b> , 9,		51
297	Printing approaches to inorganic semiconductor photocatalyst fabrication. <b>2019</b> , 7, 10858-10878		24
296	Semiconductor Eco-materials for Water Treatment. <b>2019</b> , 413-439		
295	Effects of crystallinity, {001}/{101} ratio, and Au decoration on the photocatalytic activity of anatase TiO2 crystals. <b>2019</b> , 40, 403-412		30
294	Low-temperature fabrication of SiOx-TiO2 core-shell nanowires for photocatalytic application. <b>2019</b> , 165, 51-57		3
293	Enhancement of visible light photoactivity of rutile-type TiO2 by deposition of silver onto Co-TiO2/MWCNTs nanocomposite for degradation of 2,4-dichlorophenol. <b>2019</b> , 228, 263-271		5
292	Nano-bentonite as a low-cost adsorbent for removal of mercury from aqueous solution. <b>2019</b> , 1402, 055010		1
291	The Sonophotocatalytic Degradation of Pharmaceuticals in Water by MnOx-TiO2 Systems with Tuned Band-Gaps. <i>Catalysts</i> , <b>2019</b> , 9, 949	4	15
290	Controlling the recombination of electron-hole pairs by changing the shape of ZnO nanorods via sol-gel method using water and their enhanced photocatalytic properties. <b>2019</b> , 36, 2118-2124		14
289	On-the-fly catalytic degradation of organic pollutants using magneto-photoresponsive bacteria-templated microcleaners. <b>2019</b> , 7, 24847-24856		24
288	Engineering of Gd/Er/Lu-triple-doped Bi2MoO6 to synergistically boost the photocatalytic performance in three different aspects: Oxidizability, light absorption and charge separation. <i>Applied Surface Science</i> , <b>2019</b> , 463, 556-565	6.7	26
287	BixTiyOz-Fe multiphase systems with excellent photocatalytic performance in the visible. <b>2019</b> , 328, 136-141		4
286	Mechanism of enhanced photocatalytic activity of Cr-doped ZnO nanoparticles revealed by photoluminescence emission and electron spin resonance. <b>2019</b> , 34, 025013		17
285	Synthesis and characterization of Fe-doped CdWO4 nanoparticles with enhanced photocatalytic activity. <b>2019</b> , 6, 035507		3

284	Catalytic degradation of O-cresol using H O onto Algerian Clay-Na. <b>2019</b> , 91, 165-174		4
283	Dry-co-grinding of doped TiO2 with nitrogen, silicon or selenium for enhanced photocatalytic activity under UV/visible and visible light irradiation for environmental applications. <i>Materials Science in Semiconductor Processing</i> , <b>2019</b> , 91, 47-57	4.3	9
282	A new simple approach to prepare rare-earth metals-modified TiO2 nanotube arrays photoactive under visible light: Surface properties and mechanism investigation. <b>2019</b> , 12, 412-423		18
281	Photocatalytical properties of organic-inorganic copolymers of poly(titanium oxide) in the 4-nitrophenol decomposition. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2019</b> , 369, 166-	1 <del>1</del> 3	
280	Toxicological effects of transition metal-doped titanium dioxide nanoparticles on goldfish (Carassius auratus) and common carp (Cyprinus carpio). <i>Chemosphere</i> , <b>2019</b> , 215, 904-915	8.4	19
279	Enhanced visible light assisted Fenton-like degradation of dye via metal-doped zinc ferrite nanosphere prepared from metal-rich industrial wastewater. <b>2019</b> , 96, 185-192		16
278	Removal of acetylsalicylate and methyl-theobromine from aqueous environment using nano-photocatalyst WO-TiO @g-CN composite. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 363, 205-213	12.8	120
277	Water depollution using metal-organic frameworks-catalyzed advanced oxidation processes: A review. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 372, 3-16	12.8	201
276	Urban wastewater treatment by using Ag/ZnO and Pt/TiO photocatalysts. 2019, 26, 4171-4179		11
275	Role of Fe(III) in aqueous solution or deposited on ZnO surface in the photoassisted degradation of rhodamine B and caffeine. <i>Chemosphere</i> , <b>2020</b> , 241, 125009	8.4	12
274	Magnetically separable MnFe2O4/TA/ZnO nanocomposites for photocatalytic degradation of Congo Red under visible light. <b>2020</b> , 497, 165994		55
273	Biosynthesized Fe- and Ag-doped ZnO nanoparticles using aqueous extract of Clitoria ternatea Linn for enhancement of sonocatalytic degradation of Congo red. <b>2020</b> , 27, 34675-34691		6
272	Influence of doped platinum nanoparticles on photocatalytic performance of CuOBiO2 for degradation of Acridine orange dye. <b>2020</b> , 46, 1690-1696		11
271	Effect of reduced graphene oxide load into TiO2 P25 on the generation of reactive oxygen species in a solar photocatalytic reactor. Application to antipyrine degradation. <b>2020</b> , 380, 122410		26
270	Cu/N-codoped TiO prepared by the sol-gel method for phenanthrene removal under visible light irradiation. <b>2020</b> , 27, 17530-17540		8
269	Hydrous titania nanosheets constructed hierarchical hollow microspheres as a highly efficient dual-use decontaminant for elimination of heavy metal ions and organic pollutants. <b>2020</b> , 381, 122638		17
268	Catalytic role of Ti dopant in boehmite for the photodegradation of rhodamine B. <b>2020</b> , 46, 429-443		1
267	Synthesis of Fe, Mn and Cu modified TiO2 photocatalysts for photodegradation of Orange II. <b>2020</b> , 59, 138-148		6

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266	Structured photocatalysts for the removal of emerging contaminants under visible or solar light. <b>2020</b> , 41-98		4
265	Insight on water remediation application using magnetic nanomaterials and biosorbents. <b>2020</b> , 403, 21309	6	96
264	Insights on the impact of doping levels in oxygen-doped gC3N4 and its effects on photocatalytic activity. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144427	7	35
263	Synthesis of coral-like Fe2O3 nanoparticles for dye degradation at neutral pH. <b>2020</b> , 301, 112473		23
262	A review on exploration of FeO photocatalyst towards degradation of dyes and organic contaminants. <i>Journal of Environmental Management</i> , <b>2020</b> , 258, 110050	)	123
261	Preparing a photocatalytic Fe doped TiO2/rGO for enhanced bisphenol A and its analogues degradation in water sample. <i>Applied Surface Science</i> , <b>2020</b> , 505, 144640	7	42
260	Mineralogical characteristics and photocatalytic properties of natural sphalerite from China. <b>2020</b> , 89, 156-166		4
259	Preparation of ZnFe2O4/ZnO composite: Effect of operational parameters for photocatalytic degradation of dyes under UV and visible illumination. <i>Journal of Photochemistry and Photobiology 4.7</i> A: Chemistry, <b>2020</b> , 390, 112305	7	35
258	Influence of Nickel, Silver, and Sulphur Doping on the Photocatalytic Efficiency of Mesoporous ZnO Nanoparticles. <b>2020</b> , 45, 249-259		4
257	Three-dimensional bacterial cellulose/polydopamine/TiO nanocomposite membrane with enhanced adsorption and photocatalytic degradation for dyes under ultraviolet-visible irradiation. <b>2020</b> , 562, 21-28		65
256	A study on the influence of metal (Fe, Bi, and Ag) doping on structural, optical, and antimicrobial activity of ZnO nanostructures. <b>2020</b> , 3, 551-569		24
255	Heterogeneous photodegradation of industrial dyes: An insight to different mechanisms and rate affecting parameters. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 104364	3	28
254	Activation Treatments and SiO2/Pd Modification of Sol <b>G</b> el TiO2 Photocatalysts for Enhanced Photoactivity under UV Radiation. <i>Catalysts</i> , <b>2020</b> , 10, 1184		1
253	A review and recent advances in solar-to-hydrogen energy conversion based on photocatalytic water splitting over doped-TiO2 nanoparticles. <b>2020</b> , 211, 522-546		66
252	Enhancement of photocatalytic activity of synthesized Cobalt doped Zinc Oxide nanoparticles under visible light irradiation. <b>2020</b> , 109, 110400		13
251	Fast Microwave Synthesis of Gold-Doped TiO2 Assisted by Modified Cyclodextrins for Photocatalytic Degradation of Dye and Hydrogen Production. <i>Catalysts</i> , <b>2020</b> , 10, 801		5
250	Thermal annealing-induced self-junction of hydrothermal titanate nanotubes/TiO nanoparticles with enhanced photocatalytic activity. <b>2020</b> , 31, 435703		4
249	Photocatalytic degradation of microcystin-LR by modified TiO photocatalysis: A review. <b>2020</b> , 743, 140694		38

248	Visible-light-driven photocatalytic degradation of rhodamine B in water by BiOClI solid solutions. <b>2020</b> , 81, 1080-1089		4
247	. 2020,		5
246	Synthesis of magnetic photocatalyst by photochemical deposition and co-precipitation techniques: investigation of its photocatalytic and sonophotocatalytic activity for dye removal. <b>2020</b> , 1-15		0
245	Visible Light Photocatalyst Anatase Phased TiO2 Nanoparticles for Enhanced Antibacterial Performance. <b>2020</b> , 1		1
244	Sonophotocatalytic Degradation of Pollutants by ZnO-Based Catalysts: A Review. <b>2020</b> , 5, 13720-13731		2
243	Facile Preparation of ZnO Nanoparticles and Ag/ZnO Nanocomposite and Their Photocatalytic Activities under Visible Light. <b>2020</b> , 2020, 1-14		10
242	Copper and sulphur co-doped titanium oxide nanoparticles with enhanced catalytic and photocatalytic properties. <b>2020</b> , 10, 6511-6524		4
241	Synthesis, Characterization, and Anti-Algal Activity of Molybdenum-Doped Metal Oxides. <i>Catalysts</i> , <b>2020</b> , 10, 805		1
240	Study of the optical properties of zinc incorporated onto eggshell using UVIIis diffuse reflectance spectroscopy. <i>Materials Today: Proceedings</i> , <b>2020</b> , 31, 245-248	4	О
239	Visible light active, magnetically retrievable Fe3O4@SiO2@g-C3N4/TiO2 nanocomposite as efficient photocatalyst for removal of dye pollutants. <i>Journal of Environmental Chemical</i> 6. Engineering, <b>2020</b> , 8, 104373	.8	33
238	Preparation and characterization of Ag-doped TiO2 and its application in catalytic degradation/densification of water pollutants. <b>2020</b> , 700, 77-87		0
237	NH-MIL-88B (Fe In ) mixed-MOFs designed for enhancing photocatalytic Cr(vi) reduction and tetracycline elimination <b>2020</b> , 10, 39080-39086		5
236	Statistical parameter optimization and modeling of photodegradation of methyl orange using a composite photocatalyst prepared by thermal synthesis. <b>2020</b> , 27, 45650-45660		5
235	Synthesis of Spin Coated Tungsten Oxide for Photocatalytic Degradation of Rhodamine-B Dye. <b>2020</b> , 32, 1642-1648		1
234	Effect of TiO2 nanoparticle loading by solgel method on the gas-phase photocatalytic activity of CuxOIIiO2 nanocomposite. <b>2020</b> , 96, 464-479		3
233	Nanoparticles in Agroindustry: Applications, Toxicity, Challenges, and Trends. <b>2020</b> , 10,		64
232	Hyper oxygen incorporation in CeF: a new intermediate-band photocatalyst for antibiotic degradation under visible/NIR light <b>2020</b> , 10, 38798-38804		4
231	Efficiencies Evaluation of Photocatalytic Paints Under Indoor and Outdoor Air Conditions. <b>2020</b> , 8, 551710	)	6

## (2020-2020)

230	Improved Photocatalyzed Degradation of Phenol, as a Model Pollutant, over Metal-Impregnated Nanosized TiO. <b>2020</b> , 10,	10
229	Controllable construction of hierarchical TiO2 supported on hollow rGO/P-HC heterostructure for highly efficient photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 5.1 <b>2020</b> , 598, 124831	6
228	PEDOT-Type Conducting Polymers/Black TiO2 Composites for Electrochemical Determination of Cd2+ and Pb2+. <b>2020</b> , 167, 067514	4
227	When the nanostructures meet the environmental health key issues. <b>2020</b> , 1-33	
226	Surface modifications, perspectives, and challenges of scheelite metal molybdate photocatalysts for removal of organic pollutants in wastewater. <b>2020</b> , 46, 20608-20622	12
225	Combined Adsorption/Photocatalytic dye removal by copper-titania-fly ash composite. <i>Surfaces and Interfaces</i> , <b>2020</b> , 19, 100534	7
224	A new synthesis methodology for SiO2 gel-based nanostructures and their application for elimination of dye pollutants. <b>2020</b> , 44, 5386-5395	3
223	An overview of synthesis techniques for preparing doped photocatalysts. <b>2020</b> , 1-13	
222	Recent progress on heterostructures of photocatalysts for environmental remediation. <i>Materials Today: Proceedings</i> , <b>2020</b> , 32, 584-593	3
221	Visible lightdriven perovskite-based photocatalyst for wastewater treatment. <b>2020</b> , 265-302	2
220	Promoting the photocatalytic activity of BiTiO microspheres by incorporating iron <b>2020</b> , 10, 19232-19239	4
219	Fabrication, functionalization and performance of doped photocatalysts for dye degradation and mineralization: a review. <b>2020</b> , 18, 1825-1903	18
218	In situ growth of carbon nitride on titanium dioxide/hemp stem biochar toward 2D heterostructured photocatalysts for highly photocatalytic activity. <b>2020</b> , 27, 39198-39210	2
217	Synergistic Catalysis of Co(OH)/CuO for the Degradation of Organic Pollutant Under Visible Light Irradiation. <b>2020</b> , 10, 1939	17
216	Synergistic effect of manganese and nitrogen codoping on photocatalytic properties of titania nanoparticles. <b>2020</b> , 43, 1	3
215	Development of Cu-doped NiO nanoscale material as efficient photocatalyst for visible light dye degradation. <b>2020</b> , 1-11	10
214	Enhanced Photocatalytic Activity of Au/TiO2 Nanoparticles against Ciprofloxacin. <i>Catalysts</i> , <b>2020</b> , 10, 234	21
213	Progress in the preparation of TiO2 films at boron-doped diamond toward environmental applications. <b>2020</b> , 197-224	1

212	Zinc oxide based photocatalytic degradation of persistent pesticides: A comprehensive review. <b>2020</b> , 13, 100290	35
211	Preparation and characterization of CdWO4:Cu nanorods with enhanced photocatalytic performance under sunlight irradiation. <b>2020</b> , 44, 2380-2388	4
210	Cr doping effect on the structural, optoelectrical and photocatalytic properties of RF sputtered TiO2 thin films from a powder target. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 825, 153988	10
209	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. <b>2020</b> , 8, 10571-10603	38
208	Potential of AgHe co-doped TiO2 nanocomposite for solar photocatalysis of high COD pharmaceutical effluent and influencing factors. <b>2020</b> , 5, 344-358	12
207	Imidazole framework based metal oxide nanoparticles photocatalysts: An approach towards amputation of organic pollutants from water. <b>2020</b> , 173-193	
206	Plasmon-sensitized semiconductors for photocatalysis. <b>2020</b> , 175-205	O
205	Historical development and prospects of photocatalysts for pollutant removal in water. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 395, 122599	93
204	Calculation of Carbon-Titanium-Oxygen Conductivity by First Principle. <b>2020</b> , 982, 159-164	
203	Effect of alkaline and alkaline-photocatalytic pretreatment on characteristics and biogas production of rice straw. <b>2020</b> , 309, 123449	23
202	Semiconductor mixed oxides as innovative materials for the photocatalytic removal of organic pollutants. <b>2020</b> , 385-430	
201	Improved photocatalytic activity of anatase-rutile nanocomposites induced by low-temperature sol-gel Sn-modification of TiO2. <b>2021</b> , 361, 124-129	19
200	Degradation of highly chlorinated pesticide, lindane, in water using UV/persulfate: kinetics and mechanism, toxicity evaluation, and synergism by HO. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 402, 123558 <sup>12.8</sup>	18
199	Improved photoelectrocatalytic activity of anodic TiO2 nanotubes by boron in situ doping coupled with geometrical optimization: Application of a potent photoanode in the purification of dye wastewater. <b>2021</b> , 25, 545-560	5
198	Peracetic acid-based advanced oxidation processes for decontamination and disinfection of water: A review. <b>2021</b> , 188, 116479	76
197	2,4-Dichlorophenoxyacetic acid (2,4-D) photodegradation on WO-TiO-SBA-15 nanostructured composite. <b>2021</b> , 28, 7774-7785	2
196	A biotemplate synthesized hierarchical Sn-doped TiO2 with superior photocatalytic capacity under simulated solar light. <b>2021</b> , 47, 8218-8227	9
195	Anatase titania activated by Cu(II) or Zn(II) nanoparticles for the photooxidation of methanol assisted by Rhodamine-B. <b>2021</b> , 257, 123714	2

194	Advances in designing heterojunction photocatalytic materials. 2021, 42, 710-730		42
193	Enhanced photocatalytic activity on Vanadium-doped NiO nanostructures in natural sunlight. <b>2021</b> , 32, 1105-1120		1
192	Removal of organic pollutants from water by Fe2O3/TiO2 based photocatalytic degradation: A review. <b>2021</b> , 21, 101230		20
191	TiO Synthesis by the Pechini's Method and Application for Diclofenac Photodegradation. <b>2021</b> , 97, 32-39	)	2
190	Removal of acetaminophen using Fe2O3-TiO2 nanocomposites by photocatalysis under simulated solar irradiation: Optimization study. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104921	6.8	26
189	An economic approach to produce iron doped TiO2 nanorods from ilmenite for photocatalytic applications. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 158388	5.7	9
188	Synergistic catalysis of Fe3O4/CuO bimetallic catalyst derived from Prussian blue analogues for the efficient decomposition of various organic pollutants. <b>2021</b> , 540, 110974		11
187	Coumarin-based quantification of hydroxyl radicals and other reactive species generated on excited nitrogen-doped TiO2. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 404, 11291	1 <del>3</del> 7	7
186	New insights into the degradation of synthetic pollutants in contaminated environments. <i>Chemosphere</i> , <b>2021</b> , 268, 128827	8.4	74
185	Moderate Temperature Treatment of Gas-Phase Volatile Organic Toluene Using NiO and NiOIiiO2 Nano-catalysts: Characterization and Kinetic Behaviors. <b>2021</b> , 12, 3075-3089		
184	A critical review on modulation of NiMoO-based materials for photocatalytic applications. <i>Journal of Environmental Management</i> , <b>2021</b> , 278, 111562	7.9	8
183	Emerging trends in glass-ceramic photocatalysts. <b>2021</b> , 407, 126971		14
182	Preparation of zinc tellurides quantum dots and zinc tellurides/multi-walled carbon nanotubes nanocomposites and photocatalytic activity. <b>2021</b> , 51, 1047-1053		О
181	Performance of metal free g-C3N4 reinforced graphene oxide bio-composite for the removal of persistent dyes. <b>2021</b> , 3, 220-233		1
180	Metal-Organic Framework as a New Photocatalyst for Environmental Pollutant Treatment. 631, 012021		2
179	Enhanced optical absorption of rutile TiO2 through (Sm, C) codoping: a first-principles study. <b>2021</b> , 53, 1		3
178	Enhanced photocatalytic activity, transport properties and electronic structure of Mn doped GdFeO synthesized using the sol-gel process. <b>2021</b> , 23, 16060-16076		6
177	Ceria doping boosts methylene blue photodegradation in titania nanostructures. <b>2021</b> , 5, 4138-4152		5

176	Introduction, basic principles, mechanism, and challenges of photocatalysis. <b>2021</b> , 137-154		0
175	Cation-modified photocatalysts. <b>2021</b> , 23-53		1
174	Advanced applications of magnetic nanoparticles in water purification. 2021, 373-394		0
173	Photocatalytic performance of oxygen vacancy rich-TiO2 combined with Bi4O5Br2 nanoparticles on degradation of several water pollutants. <b>2021</b> , 32, 304-316		5
172	Photocatalytic activity of Pr-modified TiO2 for the degradation of bisphenol A. 2021, 3, 1		2
171	Recent progress in photocatalytic degradation of chlorinated phenols and reduction of heavy metal ions in water by TiO2-based catalysts. 1-18		5
170	Modeling PVA degradation in a continuous photochemical reactor using experimental step testing and process identification. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 104983	6.8	1
169	Response Surface Methodology: Photocatalytic Degradation Kinetics of Basic Blue 41 Dye Using Activated Carbon with TiO. <b>2021</b> , 26,		4
168	Intensification of Heterogeneous Photocatalytic Reactions Without Efficiency Losses: The Importance of Surface Catalysis. <b>2021</b> , 151, 3105-3113		5
167	Synthesis of ZnO/FA composite for methylene blue decolorization. <b>2021</b> , 1098, 062066		
167 166	Synthesis of ZnO/FA composite for methylene blue decolorization. <b>2021</b> , 1098, 062066  Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. <b>2021</b> , 11,		10
ŕ	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers.		10
166	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. <b>2021</b> , 11,  Effects of 4d transition metals doping on the photocatalytic activities of anatase TiO2 (101)		
166 165	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. 2021, 11,  Effects of 4d transition metals doping on the photocatalytic activities of anatase TiO2 (101) surface. 2021, 121, e26683  Removal of chemical oxygen demand from industrial estate sewage over hybridized		1
166 165 164	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. 2021, 11,  Effects of 4d transition metals doping on the photocatalytic activities of anatase TiO2 (101) surface. 2021, 121, e26683  Removal of chemical oxygen demand from industrial estate sewage over hybridized anatase-graphene oxide-carbon nanotubes nanocomposite under solar irradiation. 2021, 149, 581-590  Photocatalytic Degradation of Salicylic Acid in Water Under Different Irradiation Conditions in the		1
166 165 164	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. <b>2021</b> , 11,  Effects of 4d transition metals doping on the photocatalytic activities of anatase TiO2 (101) surface. <b>2021</b> , 121, e26683  Removal of chemical oxygen demand from industrial estate sewage over hybridized anatase-graphene oxide-carbon nanotubes nanocomposite under solar irradiation. <b>2021</b> , 149, 581-590  Photocatalytic Degradation of Salicylic Acid in Water Under Different Irradiation Conditions in the Presence of Doped (N, Fe) Titanium Dioxide. <b>2021</b> , 43, 200-209  Construction of graphene based photocatalysts for photocatalytic degradation of organic pollutant		1 1 0
166 165 164 163	Solar-Powered Photodegradation of Pollutant Dyes Using Silver-Embedded Porous TiO Nanofibers. 2021, 11,  Effects of 4d transition metals doping on the photocatalytic activities of anatase TiO2 (101) surface. 2021, 121, e26683  Removal of chemical oxygen demand from industrial estate sewage over hybridized anatase-graphene oxide-carbon nanotubes nanocomposite under solar irradiation. 2021, 149, 581-590  Photocatalytic Degradation of Salicylic Acid in Water Under Different Irradiation Conditions in the Presence of Doped (N, Fe) Titanium Dioxide. 2021, 43, 200-209  Construction of graphene based photocatalysts for photocatalytic degradation of organic pollutant and modeling using artificial intelligence techniques. 2021, 608, 412869  Current perspectives of anodized TiO2 nanotubes towards photodegradation of formaldehyde: A		1 0 7

## (2021-2021)

158	Sol-gel and hydrothermal technical ability in synthesis of magnetic anatase-graphene oxide nanocomposite with excellent photoactivity. <b>2021</b> , 268, 115122		О
157	A simple approach for the synthesis of bi-functional p-n type ZnO@CuFe2O4 heterojunction nanocomposite for photocatalytic and antimicrobial application. <b>2021</b> , 130, 114664		16
156	TiO2 assisted photocatalysts for degradation of emerging organic pollutants in water and wastewater. <b>2021</b> , 331, 115458		17
155	Improved photocatalytic activity of SnO2-TiO2 nanocomposite thin films prepared by low-temperature sol-gel method. <b>2021</b> ,		1
154	Photocatalytic degradation of organic pollutants in wastewater by heteropolyacids: a review. <b>2021</b> , 74, 1751-1764		4
153	TiO2 and Ag-TiO2 nanomaterials for enhanced photocatalytic and antioxidant activity: Green synthesis using Cucumis melo juice. <i>Materials Today: Proceedings</i> , <b>2021</b> ,	1.4	O
152	Synergistic photocatalytic NO removal of oxygen vacancies and metallic bismuth on Bi12TiO20 nanofibers under visible light irradiation. <b>2021</b> , 414, 128748		15
151	Fabrication of reusable polymer nanocomposite films made of thermoplastic polyurethane and modified BiVO4 for photodegradation of Malachite Green. <b>2022</b> , 27, 210161-0		O
150	A highly photoresponsive and efficient molybdenum-modified titanium dioxide photocatalyst for the degradation of methyl orange. 1		1
149	Facile decoration of CdS nanoparticles on TiO2: robust photocatalytic activity under LED illumination. <b>2021</b> ,		1
148	A critical review on strategies for improving efficiency of BaTiO-based photocatalysts for wastewater treatment. <i>Journal of Environmental Management</i> , <b>2021</b> , 290, 112679	7.9	10
147	Efficient SiO2/WO3IIiO2@rGO nanocomposite photocatalyst for visible-light degradation of colored pollutant in water. <b>2021</b> , 32, 20184-20196		О
146	Aluminium-doped TiO2 nanotubes with enhanced light-harvesting properties. <b>2021</b> , 47, 18358-18366		4
145	A review of material aspects in developing direct Z-scheme photocatalysts. <b>2021</b> , 47, 75-107		42
144	Preparation and characterization of Cu-doped TiO2 nanomaterials with anatase/rutile/brookite triphasic structure and their photocatalytic activity. <b>2021</b> , 32, 21511-21524		5
143	Photocatalytic performance of Cu-doped titania thin films under UV light irradiation. <i>Applied Surface Science</i> , <b>2021</b> , 553, 149535	6.7	4
142	Recent Advances in Plasmonic Photocatalysis Based on TiO and Noble Metal Nanoparticles for Energy Conversion, Environmental Remediation, and Organic Synthesis. <b>2021</b> , e2101638		39
141	Countering major challenges confronting photocatalytic technology for the remediation of treated palm oil mill effluent: A review. <b>2021</b> , 23, 101764		3

140	Performance analysis of novel Bi6Cr2O15 coupled Co3O4 nano-heterostructure constructed by ultrasonic assisted method: Visible-light driven photocatalyst and antibacterial agent. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2021</b> , 622, 126671	5.1	11
139	Multiphoton Upconversion Materials for Photocatalysis and Environmental Remediation. <b>2021</b> , 16, 259	6-2609	9 1
138	Nd-Doped TiO Nanoparticles as Nanothermometer: High Sensitivity in Temperature Evaluation inside Biological Windows. <b>2021</b> , 21,		1
137	Photocatalytic Properties of Amorphous N-Doped TiO2 Photocatalyst under Visible Light Irradiation. <i>Catalysts</i> , <b>2021</b> , 11, 1010	4	3
136	Porous g-CN with defects for the efficient dye photodegradation under visible light. <b>2021</b> , 84, 1354-136	55	2
135	A review on monoclinic metal molybdate photocatalyst for environmental remediation. <b>2021</b> , 101, 28-5	0	4
134	Photocatalytic Degradation of Diazo Dye over Suspended and Immobilized TiO2 Catalyst in Swirl Flow Reactor: Kinetic Modeling. <b>2021</b> , 9, 1741		2
133	Crystalline ZnO Photocatalysts Prepared at Ambient Temperature: Influence of Morphology on p-Nitrophenol Degradation in Water. <i>Catalysts</i> , <b>2021</b> , 11, 1182	4	1
132	Highly porous, hierarchical peanut-like Ecandrewsite binary metal oxide nanostructures for the high-efficiency detoxification of organic dyes from wastewater. <b>2021</b> ,		O
131	Titania-decorated copper oxide nanophotocatalyst powder: A stable and promoted photocatalytic active system. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 418, 113401	4.7	2
130	Degradation of amoxicillin with sono, photo, and sonophotocatalytic oxidation under low-frequency ultrasound and visible light. <b>2021</b> , 200, 111515		11
129	Dual Metal UiO-Type Metal <b>©</b> rganic Frameworks for Solar-Driven Photocatalytic Hydrogen Evolution. <b>2021</b> , 125, 20320-20330		1
128	Gd3+ doped BiVO4 and visible light-emitting diodes (LED) for photocatalytic decomposition of bisphenol A, bisphenol S and bisphenol AF in water. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 105842	6.8	2
127	Preparation and photocatalytic properties of titanium dioxide modified with gold or silver nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106078	6.8	6
126	A critical review on microplastics, interaction with organic and inorganic pollutants, impacts and effectiveness of advanced oxidation processes applied for their removal from aqueous matrices. <b>2021</b> , 424, 130282		30
125	Partial photocatalytic oxidations of 3-pyridinemethanol and 3-picoline by TiO2 prepared in HCl, HNO3 and H2SO4 at different temperatures. <b>2021</b> , 380, 237-247		О
124	Syntheses of Ag[Cu@Ag]APTMSboehmite as a photocatalyst for methylene blue degradation in batch and continuous flow systems under visible light. <b>2021</b> , 16, 100493		1
123	Heterogeneous Catalysis. <b>2022</b> ,		О

122	Reaction mechanism for photocatalytic degradation of organic pollutants. 2021, 63-84		O
121	Anion-modified photocatalysts. <b>2021</b> , 55-83		
120	Degradation of the mixture of the ketoprofen, meloxicam and tenoxicam drugs using TiO/metal photocatalysers supported in polystyrene packaging waste. <b>2021</b> , 83, 863-876		3
119	Industrial dye degradation bydifferent nanocomposite doped material. <b>2021</b> , 377-404		
118	Factors Influencing the Photocatalytic Activity of Photocatalysts in Wastewater Treatment. <b>2020</b> , 229-27	70	6
117	Evaluation of AuInO, ZnO/Ag2CO3 and AgIIiO2 as Photocatalyst for Wastewater Treatment. <b>2020</b> , 63, 1286-1301		9
116	Role of Photocatalysts in Organic Pollutants Degradation. 2020,		1
115	A novel ternary mica-titania@rGO composite pearlescent pigment for the photocatalytic degradation of gaseous acetaldehyde. <b>2020</b> , 396, 125312		8
114	Enhanced Photocatalytic VOCs Mineralization via Special Ga-O-H Charge Transfer Channel in Ga2O3/MgAl-LDH Heterojunction. <b>2021</b> , 1, 501-511		8
113	Removal of Pharmaceutical Contaminants in Wastewater Using Nanomaterials: A Comprehensive Review. <b>2019</b> , 20, 483-505		23
112	Photocatalytic Degradation of Pharmaceuticals Using TiO2 Based Nanocomposite Catalyst-Review. <b>2019</b> , 29, 1-33		12
111	Microwave-Assisted Synthesis and Characterization of Solar-Light-Active Copper <b>V</b> anadium Oxide: Evaluation of Antialgal and Dye Degradation Activity. <i>Catalysts</i> , <b>2021</b> , 11, 36	4	2
110	Synergistic impact of photocatalyst and dopants on pharmaceutical-polluted waste water treatment: a review. <b>2021</b> , 33, 347-364		3
109	Fabrication of Highly Catalytically Active Gold Nanostructures on Filter-Paper and Their Applications towards Degradation of Environmental Pollutants. <b>2021</b> , 6, 10655-10660		O
108	Influence of Pr3+ doping on the synthesis of colloidal sols and nanoparticulate TiO2 xerogels and their photocatalytic activity. <b>2021</b> , 182, 111536		1
107	Emerging pollutants and their removal using visible-light responsive photocatalysis IA comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106643	6.8	16
106	Harnessing Slow Light in Optoelectronically Engineered Nanoporous Photonic Crystals for Visible Light-Enhanced Photocatalysis. 12947-12962		3
105	The Effect of Thickness on Photocatalytic Performance in MgZnO Thin Films. 575-584		

104	In situ synthesis and photocatalytic hydrogen production of plate-like Cu-doped TiO2 polycrystal with crystal-axis orientation. <b>2020</b> , 15, 624-626		0
103	Extending aromatic acids on TiO2 for cooperative photocatalysis with triethylamine: Violet light-induced selective aerobic oxidation of sulfides. <b>2021</b> ,		Ο
102	Biodegradation of micropollutants. <b>2022</b> , 477-507		
101	Doping with W6+ ions enhances the performance of TiNb2O7 as an anode material for lithium-ion batteries. <i>Applied Surface Science</i> , <b>2022</b> , 573, 151517	6.7	3
100	Photocatalytic, self-cleaning and antibacterial properties of Cu(II) doped TiO. <i>Journal of Environmental Management</i> , <b>2022</b> , 302, 114023	7.9	5
99	Investigation of the Ag species and synergy of Ag-TiO2 and g-C3N4 for the enhancement of photocatalytic activity under UVVisible light irradiation. <i>Applied Surface Science</i> , <b>2022</b> , 573, 151617	6.7	7
98	Pyrochlore oxides as visible light-responsive photocatalysts.		7
97	Synthesis of N-C3N4/Cu/Cu2O: New strategy to tackle the problem of Cu2O photocorrosion with the help of band engineering. <b>2021</b> , 119871		O
96	Synthesis of Black-TiO2 and manganese-doped TiO2 nanoparticles and their comparative performance evaluation for photocatalytic removal of phenolic compounds from agro-industrial effluent. <b>2021</b> , 23, 1		0
95	Advances in preparation, mechanism and applications of graphene quantum dots/semiconductor composite photocatalysts: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 424, 127721	12.8	4
94	Recent advances on silver-based photocatalysis: Photocorrosion inhibition, visible-light responsivity enhancement, and charges separation acceleration. <b>2021</b> , 120194		5
93	Visible light-driven photodegradation of triclosan and antimicrobial activity against Legionella pneumophila with cobalt and nitrogen co-doped TiO2 anatase nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106735	6.8	4
92	The use of nanophotocatalysts for the effective mitigation of polycyclic aromatic hydrocarbons in aqueous phase. <b>2022</b> , 333, 130026		1
91	Enhanced heterogeneous photocatalytic perozone degradation of amoxicillin by ZnO modified TiO2 nanocomposites under visible light irradiation. <i>Materials Science in Semiconductor Processing</i> , <b>2022</b> , 142, 106456	4.3	1
90	Transition metal oxide-based materials for visible-light-photocatalysis. 2022, 153-183		0
89	Preparation of Nanofibrous Membrane With rGO/TiO2 Photocatalyst and Its Application in Organic Degradation. <i>IEEE Nanotechnology Magazine</i> , <b>2022</b> , 21, 23-28	2.6	O
88	Synthesis and characterization of Ce-doped TiO2 nanoparticles and their enhanced anticancer activity in Y79 retinoblastoma cancer cells. <i>Green Processing and Synthesis</i> , <b>2022</b> , 11, 143-149	3.9	0
87	Current status, research gaps, and future scope for nanomaterials toward visible light photocatalysis. <b>2022</b> , 569-608		

Rare earthdoped semiconductor nanomaterials. 2022, 291-338 86 О Visible light dye degradation over fluorinated mesoporous TiO2 IWO3 IBi2O3/SiO2 nanocomposite photocatalyst-adsorbent using immersion well reactor. Journal of Photochemistry 85 4.7 and Photobiology A: Chemistry, 2022, 426, 113790 Tailored design of three-dimensional rGOA-nZVI catalyst as an activator of persulfate for 84 12.8 degradation of organophosphorus pesticides.. Journal of Hazardous Materials, 2022, 428, 128254 Always-On Photocatalytic Antibacterial Facemask with Mini UV-LED Array. Materials Today 83 Sustainability, **2022**, 100117 Hydrothermal synthesis of titanium dioxide/graphene aerogel for photodegradation of methylene 82 4.2 1 blue in aqueous solution. Journal of Science: Advanced Materials and Devices, 2022, 7, 100433 Carbon-based titanium dioxide materials for hydrogen production in water-methanol reforming: A 6.8 81 review. Journal of Environmental Chemical Engineering, 2022, 10, 107326 Photocatalytic Degradation of Organic Pollutants by Al-Nps/Tio2 Nanocomposite. SSRN Electronic 80 1 Journal, Enhanced photocatalytic activity of titanium dioxide-doped graphene aerogel towards 2.1 p-nitrophenol removal from aqueous solutions. *Materials Technology*, 1-12 The Application of Bi-Doped TiO 2 for the Photocatalytic Oxidation of Formaldehyde. Crystal 78 O 1.3 Research and Technology, 2100231 Experimental studies and numerical simulation of cold spray technique to investigate the effect of operating parameters on the thickness of Fe/TiO2 self-cleaning film. Powder Technology, **2022**, 117320  $^{5.2}$ 77 Study on Photocatalytic Degradation of Acid Red 73 by Fe3O4@TiO2 Exposed (001) Facets. Applied 2.6 76 O Sciences (Switzerland), 2022, 12, 3574 Nanomaterial Doping: Chemistry and Strategies for Agricultural Applications. ACS Agricultural  $\circ$ 75 Science and Technology, 2D Molybdenum Sulfide-Based Materials for Photo-Excited Antibacterial Application.. Advanced 10.1 74 2 Healthcare Materials, 2022, e2200360 Simple synthesis of WO3 based activated carbon co-doped CuS composites for photocatalytic 3.1 73 applications. Inorganic Chemistry Communication, 2022, 139, 109322 Development of physicochemically stable Z-scheme MIL-88A/g-C3N4 heterojunction photocatalyst with excellent charge transfer for improving acid red 1 dye decomposition efficiency. Applied 6.7 72  $\circ$ Surface Science, 2022, 590, 152954 Aq-induced anatase-rutile TiO2\( \text{le heterojunction facilitating the photogenerated carrier separation } \) 71 5.7 in visible-light irradiation. Journal of Alloys and Compounds, 2022, 909, 164815 Nanotechnology for Food Safety and Security: A Comprehensive Review. Food Reviews International 70 5.5 , 1-21 Cerium-, Europium- and Erbium-Modified ZnO and ZrO2 for Photocatalytic Water Treatment 69 Applications: A Review. Catalysts, 2021, 11, 1520

68	Influence of g-C3N4 and PANI onto WO3 photocatalyst on the photocatalytic degradation of POME. <i>Materials Today: Proceedings</i> , <b>2022</b> ,	1.4	O
67	Data_Sheet_1.docx. 2020,		
66	ZnIn 2 S 4 -based nanostructures in artificial photosynthesis: Insights into photocatalytic reduction toward sustainable energy production. <i>Small Structures</i> ,	8.7	0
65	Tile mixed oxides as photocatalysts in the generation of hydrogen under UV-light irradiation. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> ,	6.7	1
64	Natural solar activation of modified zinc oxides with rare earth elements (Ce, Yb and Fe) for the simultaneous disinfection and decontamination of urban wastewater. <i>Chemosphere</i> , <b>2022</b> , 135017	8.4	O
63	Pesticides removal techniques from the aquatic environment. <b>2022</b> , 483-516		
62	Photocatalytic degradation of pesticide monocrotophos in water using W-TiO2 in slurry and fixed bed recirculating reactor. <i>Journal of Molecular Structure</i> , <b>2022</b> , 133392	3.4	О
61	Photocatalytic Degradation of Recalcitrant Pollutants of Greywater. <i>Catalysts</i> , <b>2022</b> , 12, 557	4	1
60	Application of Biorenewable-Based Photocatalytic Membranes in Wastewater Treatment. <i>ACS Symposium Series</i> , 237-257	0.4	
59	Hydrothermal synthesis of TiO2/BiOBr composites with enhanced photocatalytic activity. <i>Thermal Science</i> , <b>2022</b> , 26, 2779-2785	1.2	O
58	Combination of rGO/S, N/TiO2 for the enhancement of visible light-driven toluene photocatalytic degradation. <i>Sustainable Environment Research</i> , <b>2022</b> , 32,	3.8	О
57	Copper sulfides based photocatalysts for degradation of environmental pollution hazards: A review on the recent catalyst design concepts and future perspectives. <i>Surfaces and Interfaces</i> , <b>2022</b> , 102182	4.1	1
56	Design of halloysite-based nanocomposites by electrospinning for water treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2022</b> , 129696	5.1	2
55	Ozone-enhanced TiO2 nanotube arrays for the removal of COVID-19 aided antibiotic ciprofloxacin from water: Process implications and toxicological evaluation. <i>Journal of Environmental Management</i> , <b>2022</b> , 318, 115515	7.9	1
54	A critical review of trends in advanced oxidation processes for the removal of benzophenone-3, fipronil, and propylparaben from aqueous matrices: Pathways and toxicity changes. <i>Journal of Water Process Engineering</i> , <b>2022</b> , 49, 102973	6.7	1
53	Synthesis, Characterization and Performance Evaluation of TiO2-SnO2 photocatalyst for Removal of Toxic Hexavalent Chromium. <i>Water, Air, and Soil Pollution</i> , <b>2022</b> , 233,	2.6	O
52	Effect of metal doping in Bi2WO6 micro-flowers for enhanced photoelectrochemical water splitting. <b>2022</b> ,		0
51	Visible light responsive Cu-N/TiO2 nanoparticles for the photocatalytic degradation of Bisphenol A.		1

50	Combining pH-triggered adsorption and photocatalysis for the remediation of complex water matrices. <b>2022</b> , 10, 108468	1
49	An overview on recent progress in photocatalytic air purification: Metal-based and metal-free photocatalysis. <b>2022</b> , 214, 113995	2
48	Palladium-modified TiO2 films in a photocatalytic microreactor: evaluation of radiation absorption properties and pollutant degradation efficiency.	O
47	Synthesis, photocatalytic degradation and antibacterial properties of selenium or silver doped zinc oxide nanoparticles: A detailed review. <b>2022</b> , 8, 100082	2
46	N-doped TiO2 nanotubes synthesized by atomic layer deposition for acetaminophen degradation. <b>2022</b> , 655, 130213	1
45	Fabrication and immediate release characterization of UV responded oregano essential oil loaded microcapsules by chitosan-decorated titanium dioxide. <b>2023</b> , 400, 133965	О
44	Exploration of the Initial Photocatalytic Activity Parameters of $fe2o3R$ utile for Methylene Blue Discoloration in Water Through the Ofat Process.	О
43	The photocatalytic performance of Fe inserted in Nb2O5 obtained by microwave-assisted hydrothermal synthesis: Factorial design of experiments. <b>2023</b> , 435, 114294	O
42	The Suitability of Photocatalyst Precursor Materials in Geopolymer Coating Applications: A Review. <b>2022</b> , 12, 1348	3
41	Al/TiO2 composite as a photocatalyst for the degradation of organic pollutants.	О
40	Ag decorated ZnO based nanocomposites for visible light-driven photocatalytic degradation: basic understanding and outlook.	1
39	The photocatalytic process in the treatment of polluted water.	4
38	Enhancing internal electric field by Zn2+ doping for promoting bulk-charge separation and improving visible photocatalytic activity of Bi2YO4Cl.	О
37	Improving Corrosion and Photocatalytic Properties of Composite Oxide Layer Fabricated by Plasma Electrolytic Oxidation with NaAlO2. <b>2022</b> , 15, 7055	О
36	Fabrication of visible-light-driven photocatalyst based on Nd-doped Zn2SnO4 semiconductor and carbonous materials. <b>2022</b> , 167837	0
35	Metal ferrites-based nanocomposites and nanohybrids for photocatalytic water treatment and electrocatalytic water splitting. <b>2023</b> , 310, 136835	О
34	A novel rapid microwave crystallization of photocatalysts for practical utility in the removal of phenol derivatives. <b>2022</b> ,	0

32	A Brief Review of Photocatalytic Reactors Used for Persistent Pesticides Degradation. 2022, 6, 89	0
31	A Review on Carbon Quantum Dots Modified g-C3N4-Based Photocatalysts and Potential Application in Wastewater Treatment. <b>2022</b> , 12, 11286	1
30	Rapid Microwave-Assisted Synthesis of N/TiO2/rGO Nanoparticles for the Photocatalytic Degradation of Pharmaceuticals. <b>2022</b> , 12, 3975	1
29	Photocatalytic stimulation of peroxymonosulfate by novel MoO3@ZrO2 with Z-scheme heterojunction for diclofenac sodium degradation. <b>2023</b> , 51, 103435	0
28	Plasmonic noble metal doped titanium dioxide nanocomposites: Newer and exciting materials in the remediation of water contaminated with micropollutants. <b>2023</b> , 51, 103360	0
27	Recoverable palladiumgold nanocomposite based on microcrystalline cellulose for sono-catalytic degradation of pharmaceutical pollutants. <b>2023</b> , 296, 127219	O
26	Photocatalytic performance of palladium and carbon modified TiO2 using solar radiation. <b>2023</b> , 437, 114461	0
25	Photocatalytic Treatment of Emerging Contaminants with Ag-Modified Titanials There a Risk Arising from the Degradation Products?. <b>2022</b> , 10, 2523	0
24	Rapid Removal of Organic Pollutants from Aqueous Systems under Solar Irradiation Using ZrO2/Fe3O4 Nanoparticles. <b>2022</b> , 27, 8060	0
23	A Eurn on colorimetric system based on bimetallic UiO-66(Zr/Ce) for rapid sensing of tetracyclines through visible light triggering. <b>2022</b> , 133200	O
22	Strategies for Improving the Photocatalytic Methane to Methanol Conversion Efficiency. 2022, 27,	0
21	Recent Progress on Tailoring the Biomass-Derived Cellulose Hybrid Composite Photocatalysts. <b>2022</b> , 14, 5244	0
20	Visible Light Active Silver Decorated Iron Titanate/Titanium Dioxide Nanohybrid for Sterilization of Explants Grown by In Vitro Technique. 2201292	О
19	Photocatalytic Testing Protocol for N-Doped TiO2 Nanostructured Particles under Visible Light Irradiation Using the Statistical Taguchi Experimental Design. <b>2023</b> , 13, 774	1
18	Bimetallic FeOxMOx Loaded TiO2 (M = Cu, Co) Nanocomposite Photocatalysts for Complete Mineralization of Herbicides.	0
17	Synthesis, characterization, computational studies, and photocatalytic properties of Cu doped Bi2S3 nanorods. <b>2023</b> , 105418	O
16	Hexagonal-borocarbonitride (h-BCN) based heterostructure photocatalyst for energy and environmental applications: A review. <b>2023</b> , 313, 137610	О
15	Establish TiNb2O7@C as Fast-Charging Anode for Lithium-Ion Batteries. <b>2023</b> , 16, 333	O

### CITATION REPORT

14	Magnetically retrievable graphitic carbon nitride-based nanocomposites. 2023, 305-358	О
13	Photocatalysis and Phase-Transition of Ca2+-Doped TiO2.	O
12	Fabrication of Ag/AgBr/LaAl0.5Cr0.5O3 composite with enhanced photocatalytic performance for the degradation of methylene blue and 4-chlorophenol.	O
11	Highly photoactive novel NiS/BiOI nanocomposite photocatalyst towards efficient visible light organic pollutant degradation and carcinogenetic Cr (VI) reduction for environmental remediation. <b>2023</b> , 323, 138108	O
10	Application of Bi2WO6/N-TiO2 catalyst immobilized on FTO in a tray photoreactor for textile color degradation from aqueous solutions: Effects of mineral salts. <b>2023</b> , 377, 121520	О
9	Photodegradation of acetaminophen and ibuprofen in iron supported in SBA-15 under UV irradiation. <b>2023</b> , 441, 114716	O
8	Effects of surface silylation on dye removal performance of mesoporous promoted titania-silica nanocomposite.	0
7	Ceramic materials based on bismuth chromates, their synthesis by combustion with mannitol, photocatalytic and conductive properties. <b>2023</b> , 49, 16182-16190	O
6	The superior photocatalytic performance of loofah sponges impregnated with Nb2O5. 2023, 441, 114694	О
5	Green synthesis of a novel magnetic Fe3O4@SiO2/TiO2@WO3 nanocomposite for methylene blue removal under UV and visible light irradiations. <b>2023</b> , 49, 1909-1924	O
4	Phase Composition, Microstructure, and Optical Characteristics of Spin-Coated La-TiO 2 and FeIIiO 2.	0
3	Ag2CO3-Based Photocatalyst with Enhanced Photocatalytic Activity for Endocrine-Disrupting Chemicals Degradation: A Review. <b>2023</b> , 13, 540	O
2	Mercury and Organic Pollutants Removal from Aqueous Solutions by Heterogeneous Photocatalysis with ZnO-Based Materials. <b>2023</b> , 28, 2650	0
1	Palladium-modified TiO2 Photocatalysts: Synthesis, Characterization, and Environmental Application. <b>2023</b> , 302, 127740	0