

CITATION REPORT

List of articles citing

FTIR and Raman Characterization of TiO₂ Nanoparticles Coated with Polyethylene Glycol as Carrier for 2-Methoxyestradiol

DOI: 10.3390/app7010049
Applied Sciences (Switzerland), 2017, 7, 49.

Source: <https://exaly.com/paper-pdf/68377497/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
326	Optimal conditions for producing bactericidal sodium hyaluronate-TiO bionanocomposite and its characterization. 2017 , 104, 449-456		17
325	Generating Color from Polydisperse, Near Micron-Sized TiO Particles. 2017 , 9, 23941-23948		14
324	Preparation of Fouling-Resistant Nanofibrous Composite Membranes for Separation of Oily Wastewater. 2017 , 9,		21
323	Effects of organic modifiers on the colloidal stability of TiO ₂ nanoparticles. A methodological approach for NPs categorization by multivariate statistical analysis. 2018 , 9, 114-123		9
322	TiO-coated luminescent porous silicon micro-particles as a promising system for nanomedicine. 2018 , 6, 1815-1824		10
321	The effect of SiO ₂ and TiO ₂ nanoparticles on physical properties of SrFe ₁₂ O ₁₉ nanoparticle. 2018 , 18, 469-476		9
320	Fly ash supported photocatalytic nanocomposite poly(3,4-ethylenedioxythiophene)/TiO ₂ for azo dye removal under simulated solar irradiation. 2018 , 135, 46316		9
319	Fabrication and characterization of glycine-loaded PEG nanoparticles for drug delivering: A comprehensive SERS study. 2018 , 450, 396-403		4
318	Mesoporous 3D carbon framework encapsulated manganese oxide nanoparticles as biocompatible T1 MR imaging probe. 2018 , 539, 229-236		10
317	Three-Dimensional Chestnut-Like Architecture Assembled from NaTiO(OH)·2HO@N-Doped Carbon Nanosheets with Enhanced Sodium Storage Properties. 2018 , 10, 43740-43748		8
316	Nano-TiO Doped Chitosan Scaffold for the Bone Tissue Engineering Applications. 2018 , 2018, 6576157		26
315	Influence of two gradual steps of vacuum annealing on structural and opto-electronic characteristics of Nb-doped TiO ₂ transparent conducting oxide. 2018 , 123, 242-250		8
314	Structural and Optical Properties of Ce ³⁺ -Doped TiO ₂ Nanocrystals Prepared by Sol-Gel Precursors. 2018 , 47, 6901-6908		8
313	Morphometric characteristics and time to hatch as efficacious indicators for potential nanotoxicity assay in zebrafish. 2018 , 37, 3063-3076		4
312	Effect of Particle Size on the Performance of TiO ₂ Based Dye-Sensitized Solar Cells. 2018 , 3, 9872-9880		11
311	Engineering the Slow Photon Effect in Photoactive Nanoporous Anodic Alumina Gradient-Index Filters for Photocatalysis. 2018 , 10, 24124-24136		21
310	Enhanced wound healing activity of PEG/PCL copolymer combined with bioactive nanoparticles in wound care after anorectal surgery: Via bio-inspired methodology. 2018 , 187, 54-60		8

309	Novel Antimicrobial Titanium Dioxide Nanotubes Obtained through a Combination of Atomic Layer Deposition and Electrospinning Technologies. 2018 , 8,	35
308	Photocatalytic Inactivation of <i>Enterobacter cloacae</i> and <i>Escherichia coli</i> Using Titanium Dioxide Supported on Two Substrates. 2018 , 6, 137	4
307	Preparation, characterization and lubrication performances of graphene oxide-TiO ₂ nanofluid in rolling strips. 2018 , 140, 338-351	62
306	Fabrication and characterization of the bionanocomposite film based on whey protein biopolymer loaded with TiO ₂ nanoparticles, cellulose nanofibers and rosemary essential oil. 2018 , 124, 300-315	104
305	Long-Term Colloidal and Chemical Stability in Aqueous Media of NaYF ₄ -Type Upconversion Nanoparticles Modified by Ligand-Exchange. 2019 , 36, 1900235	32
304	MgO nanoparticles coated with polyethylene glycol as carrier for 2-Methoxyestradiol anticancer drug. 2019 , 14, e0214900	20
303	Synthesis of TiO ₂ /nZVI nanocomposite for nitrate removal from aqueous solution. 2019 , 10, 225-236	6
302	Melt-Mixed Thermoplastic Nanocomposite Containing Carbon Nanotubes and Titanium Dioxide for Flame Retardancy Applications. 2019 , 11,	15
301	Exploring the synergistic interactions of TiO ₂ , rGO, and g-C ₃ N ₄ catalyst admixtures in a polystyrene nanocomposite photocatalytic film for wastewater treatment: Unary, binary and ternary systems. 2019 , 7, 103246	6
300	Preparation and characterization of Fe/TiO ₂ in the presence of ionic liquid to optimize the photocatalytic degradation of acetaminophen using the response surface methodology. 2019 , 30, 14878-14889 ³	
299	PVA/SA/TiO-CUR patch for enhanced wound healing application: In vitro and in vivo analysis. 2019 , 138, 704-717	25
298	Sub-ppm Formaldehyde Detection by - TiO@SnO Nanocomposites. 2019 , 19,	23
297	Electrospun Polyethylene Oxide-Based Membranes Incorporated with Silicon Dioxide, Aluminum Oxide and Clay Nanoparticles as Flexible Solvent-Free Electrolytes for Lithium-Ion Batteries. 2019 , 71, 4537-4546	12
296	Fabrication and characterization of TiO ₂ deposited black electroless Ni-P solar absorber. 2019 , 496, 143632	15
295	Synthesis of N-doped TiO/SiO/FeO magnetic nanocomposites as a novel purple LED illumination-driven photocatalyst for photocatalytic and photoelectrocatalytic degradation of naproxen: optimization and different scavenger agents study. 2019 , 54, 1254-1267	8
294	Cytotoxic and immunomodulatory effects of the low concentration of titanium dioxide nanoparticles (TiO ₂ NPs) on human cell lines - An in vitro study. 2019 , 86, 186-195	17
293	Visible Light Photocatalytic Functional TiO ₂ /PVDF Nanofibers for Dye Pollutant Degradation. 2019 , 36, 1900091	8
292	Photo-annealed amorphous titanium oxide for perovskite solar cells. 2019 , 11, 19488-19496	9

291	Structure and optical properties of TiO ₂ nanorods prepared using polyol solvothermal method. 2019,	4
290	Effect of stearic acid as a low cost and green material on the self-cleaning and anti-corrosion behavior of anodized titanium. 2019, 583, 123971	24
289	Role of Zn dopant on superparamagnetic property of CoFe ₂ O ₄ nanoparticles. 2019, 125, 1	5
288	Analyzing the Interaction between Two Different Types of Nanoparticles and Serum Albumin. 2019, 12,	9
287	Development of thermal-crosslinkable chitosan/maleic terminated polyethylene glycol hydrogels for full thickness wound healing: In vitro and in vivo evaluation. 2019, 118, 113-127	20
286	Water-Based Sol-Gel Synthesis of Ce-Doped TiO ₂ Nanoparticles. 2019, 48, 4740-4747	6
285	Phenol degradation catalyzed by metal oxide supported porous carbon matrix under UV irradiation. 2019, 31, 100869	13
284	Effect of titanium dioxide and zinc oxide fillers on morphology, electrochemical and mechanical properties of the PEO-based nanofibers, applicable as an electrolyte for lithium-ion batteries. 2019, 6, 0850d6	17
283	Mesoporous anatase based opto-chemical sensor. 2019, 100, 236-244	6
282	Influence of nitrogen doping on TiO ₂ nanoparticles synthesized by pneumatic spray pyrolysis method. 2019, 6, 0850a9	5
281	Nitric Oxide Gas Delivery by Fluorinated Poly(Ethylene Glycol)@Graphene Oxide Carrier toward Pharmacotherapeutics. 2019, 5, 2926-2934	11
280	The Effect of Spin Coating Rotation on the Optoelectronic Properties of PANI/TiO ₂ /FTO-Glass Photoanode. 2019, 515, 012084	3
279	Estimating toxic harmfulness based on quantitative analysis (I) - Factor analysis of harmfulness of combustion products on building materials. 2019, 106, 80-87	3
278	Improving Selectivity and Activity of CO ₂ Reduction Photocatalysts with Oxygen. 2019, 5, 1818-1833	32
277	Ultra-bright emission from Sr doped TiO nanoparticles through r-GO conjugation. 2019, 6, 190100	9
276	Significantly Enhanced Energy Density by Tailoring the Interface in Hierarchically Structured TiO-BaTiO-TiO Nanofillers in PVDF-Based Thin-Film Polymer Nanocomposites. 2019, 11, 14329-14339	79
275	Manganese Peroxidase-Based Electro-Oxidation of Bisphenol A at Hydrogellitic Polyaniline-Titania Nanocomposite-Modified Glassy Carbon Electrode. 2019, 10, 323-331	8
274	Photocatalytic activity of graphene oxide-TiO thin films sensitized by natural dyes extracted from. 2019, 6, 181824	40

273	Composite functioning as trap of photoproducts: TiO ₂ nanobelts anchored to carbon particles. 2019 , 228, 15-26	6
272	Photo-generation of cyclic carbonates using hyper-branched Ru-TiO. 2019 , 215, 407-421	5
271	Characterisation and Evaluation the Effects of GeO ₂ and SiO ₂ Doped TiO ₂ Thin Films. 2019 ,	
270	Effect of pH on Phenol Degradation Using Green Synthesized Titanium Dioxide Nanoparticles. 2019 , 19, 1321-1326	26
269	Synthesis and characterisation of PVDF-co-HFP/sTiO ₂ composites polymer electrolyte membranes. 2019 , 6, 125354	1
268	Green synthesis of TiO ₂ nanoparticles using Bixa orellana seed extract and its application for solar cells. 2019 , 194, 952-958	28
267	Peptides of human body fluids as sensors of corrosion of titanium to titanium dioxide. SERS application. 2019 , 473, 107-120	5
266	Enhanced crystal formation of methylammonium lead iodide via self-assembled monolayers and their solvation for perovskite solar cells. 2019 , 30, 939-949	8
265	Polyethylene glycol-coated manganese-ferrite nanoparticles as contrast agents for magnetic resonance imaging. 2019 , 475, 137-145	20
264	Characterization, Bioactivity and Antibacterial Properties of Copper-Based TiO ₂ Bioceramic Coatings Fabricated on Titanium. 2019 , 9, 1	106
263	Synthesis and visible-light photocatalytic CO ₂ /H ₂ O reduction to methyl formate of TiO ₂ nanoparticles coated by aminated cellulose. 2019 , 466, 535-544	12
262	Comparative electrochemical investigation of zinc based nano-composite anode materials for solid oxide fuel cell. 2019 , 45, 1077-1083	12
261	A facile and green synthetic approach toward fabrication of Alcea- and Thyme-stabilized TiO ₂ nanoparticles for photocatalytic applications. 2020 , 13, 2132-2141	15
260	Hydrothermally grown uniform TiO ₂ coatings on ZrO ₂ fibers and their infrared reflective and thermal conductive properties. 2020 , 46, 3400-3405	6
259	Related physicochemical, rheological, and dielectric properties of nanocomposites of superparamagnetic iron oxide nanoparticles with polyethyleneglycol. 2020 , 137, 48280	10
258	Preparation and characterization of functional sodium caseinate/guar gum/TiO/cumin essential oil composite film. 2020 , 145, 835-844	55
257	Sustained release of CIP from TiO ₂ -PVDF/starch nanocomposite mats with potential application in wound dressing. 2020 , 137, 48916	7
256	Bioinspired multifunctional TiO ₂ hierarchical micro/nanostructures with tunable improved bone cell growth and inhibited bacteria adhesion. 2020 , 46, 9669-9679	10

255	Experimental and statistical investigation on fabrication and performance evaluation of structurally tailored PAN nanofiltration membranes for produced water treatment. 2020 , 147, 107766	12
254	Photocatalytic degradation of deltamethrin by using Cu/TiO ₂ /bentonite composite. 2020 , 13, 8481-8488	8
253	Efficient Method for the Concentration Determination of Fmoc Groups Incorporated in the Core-Shell Materials by Fmoc-Glycine. 2020 , 25,	5
252	PEGylation of iron doped hydroxyapatite nanoparticles for increased applicability as MRI contrast agents and as drug vehicles: A study on thrombogenicity, cytocompatibility and drug loading. 2020 , 137, 109934	4
251	Preparation of PDLLA based nanocomposites with modified silica by in situ polymerization: Study of molecular, morphological, and mechanical properties. 2020 , 25, 101610	6
250	Mitigating effects of Bean yellow mosaic virus infection in faba bean using new carboxymethyl chitosan-titania nanobiocomposites. 2020 , 163, 1261-1275	32
249	Improvement in separation performance of PEI-based nanofiltration membranes by using L-cysteine functionalized POSS-TiO ₂ composite nanoparticles for removal of heavy metal ion. 2020 , 37, 1552-1564	5
248	Investigation of epoxy resin/nano-TiO ₂ composites in photocatalytic degradation of organics present in oil-produced water. 2020 , 1-17	6
247	Gelatin Loaded Titanium Dioxide and Silver Oxide Nanoparticles: Implication for Skin Tissue Regeneration. 2021 , 199, 3688-3699	1
246	Influence of Inorganic Bases on the Structure of Titanium Dioxide-Based Microsheets. 2020 , 5, 23703-23717	1
245	Nanocomposite Synthesis from a Natural Clay-Rich Soils and Exhausted Coffee Grounds for Environmental Applications. 2020 , 63, 47-63	0
244	Electrochromic and optical study of sol-gel TiO ₂ -MnO films. 2020 , 1492, 012028	2
243	Facile synthesis of magnetite nanocubes using deep eutectic solvent: an insight to anticancer and photo-Fenton efficacy. 2020 , 20, 100609	5
242	Stabilizing the output voltage of flexible graphene supercapacitors by adding porous Ag/N-doped TiO ₂ nanocomposites on their anodes. 2020 , 255, 123602	7
241	Synthesis and characterization of montmorillonite/ciprofloxacin/TiO ₂ porous structure for controlled drug release of ciprofloxacin tablet with oral administration. 2020 , 197, 105768	5
240	Alkali modified P25 with enhanced CO adsorption for CO photoreduction.. 2020 , 10, 27989-27994	5
239	Facile Fabrication of Superhydrophobic and Photoluminescent TEMPO-Oxidized Cellulose-Based Paper for Anticounterfeiting Application. 2020 , 8, 13176-13184	10
238	Synthesis, characterization, and the effects of organo-grafted nanoparticles in nickel coatings for enhanced corrosion protection. 2020 , 25, 101628	3

- 237 Fabrication of Silica Microspheres Containing TiO₂ or Aluminum Zinc Oxide Nanoparticles via Self-Assembly: Application in Water Purification. **2020**, 20, 6738-6746 3
- 236 Synthesis and characterization of advanced hybrid titanium compounds/F-MWCNTs nanocomposites and their antibacterial activities. **2020**, 96, 153-165 1
- 235 Mechanistic Study of Pb(II) Removal by TiO₂ and Effect of PO₄. **2020**, 36, 13918-13927 2
- 234 The use of titanium oxide/polyethylene glycol nanocomposite in sorption of ¹³⁴Cs and ⁶⁰Co radionuclides from aqueous solutions. **2020**, 324, 1351-1364 5
- 233 Thermally and optically functionalized titania nanoparticles for pH sensing. **2020**, 1484, 012012
- 232 Synthesis and characterization of titanium dioxide nanoparticles by chemical and green methods and their antifungal activities against wheat rust. **2020**, 258, 127352 49
- 231 Photocatalytic degradation and adsorption of phenol by solvent-controlled TiO₂ nanosheets assisted with H₂O₂ and FeCl₃: Kinetic, isotherm and thermodynamic analysis. **2020**, 308, 112941 22
- 230 Effect of titanium dioxide on the structural and electrical conductivity of cadmium oxide. **2020**, 26, 1330-1335 0
- 229 Metal-Organic Framework-Functionalized Copper Amine Complex: A Robust Nanocomposite for Doxycycline Antibiotic Removal. **2020**, 65, 3546-3559 6
- 228 Facile synthesis of Fe₂O₃/TiO₂ multiphase nanohybrid particles from local iron sand as antifungal agent. **2020**, 2 2
- 227 Removal of phenol in seawater by heterogeneous photocatalysis using activated carbon materials modified with TiO₂. **2020**, 13 13
- 226 Nonhazardous Process for Extracting Pure Titanium Dioxide Nanorods from Geogenic Ilmenite. **2020**, 5, 16176-16182 9
- 225 Oleic acid-functionalized TiO₂ nanoparticles for fabrication of PES-based nanofiltration membranes. **2020**, 156, 433-441 17
- 224 TiO₂ microsphere impregnated alginate: a novel hybrid sorbent for uranium removal from aquatic bodies. **2020**, 44, 3950-3960 12
- 223 Green synthesis of TiO₂ and its photocatalytic activity. **2020**, 11-61 6
- 222 Comparative analysis on optical and photocatalytic properties of chlorophyll/curcumin-sensitized (mathrm{TiO}_{2}) nanoparticles for phenol degradation. **2020**, 43, 1 10
- 221 Effects of TiO₂ Blocking Layer on Photovoltaic Characteristics of TiO₂/Nb₂O₅ Dye Sensitized Solar Cells. **2020**, 5, 1049-1058
- 220 An insight into the dependency on sample preparation for (eco) toxicity assessment of TiO₂ nanoparticles. **2020**, 192, 144 6

219	All Green Solvents for Fabrication of CsPbBr ₃ Films for Efficient Solar Cells Guided by the Hansen Solubility Theory. 2020 , 4, 2000008	20
218	An experimental study on characterization, stability and dynamic viscosity of CuO-TiO ₂ /water hybrid nanofluid. 2020 , 307, 112987	70
217	Enhanced photocatalytic and antibacterial activities of mechanosynthesized TiO ₂ /Ag nanocomposite in wastewater treatment. 2020 , 1211, 128076	17
216	The Effect of AgInS ₂ , SnS, CuS ₂ , Bi ₂ S ₃ Quantum Dots on the Surface Properties and Photocatalytic Activity of QDs-Sensitized TiO ₂ Composite. 2020 , 10, 403	10
215	Cyclo-RGD Truncated Polymeric Nanoconstruct with Dendrimeric Templates for Targeted HDAC4 Gene Silencing in a Diabetic Nephropathy Mouse Model. 2021 , 18, 641-666	7
214	Tailoring the morphology of polyethersulfone/sulfonated polysulfone ultrafiltration membranes for highly efficient separation of oil-in-water emulsions using TiO ₂ nanoparticles. 2021 , 620, 118868	16
213	Biomedical application of single anatase phase TiO ₂ nanoparticles with addition of Rambutan (Nephelium lappaceum L.) fruit peel extract. 2021 , 11, 699-708	4
212	Design of porous Ga doped TiO ₂ nanostructure for enhanced solar light photocatalytic applications. 2021 , 133, 111057	6
211	Synthesis and characterization of TiO ₂ -based nanostructures via fluorine-free solvothermal method for enhancing visible light photocatalytic activity: Experimental and theoretical approach. 2021 , 404, 112834	7
210	Thermally and optically functionalized Anatase nano-cavities based fiber optic pH sensor. 2021 , 133, 111017	5
209	Fast responsive anatase nanoparticles coated fiber optic pH sensor. 2021 , 850, 156246	8
208	Photocatalytic Efficiency Tuning by the Surface Roughness of TiO Coatings on Glass Prepared by the Doctor Blade Method. 2021 , 97, 22-31	2
207	Ultrafast degradation of Congo Red dye using a facile one-pot solvothermal synthesis of cuprous oxide/titanium dioxide and cuprous oxide/zinc oxide p-n heterojunction photocatalyst. 2021 , 122, 105481	11
206	Role of bis(2-ethylhexyl) phosphate and Al ₂ O ₃ /TiO ₂ hybrid nanomaterials in improving the dispersion stability of nanolubricants. 2021 , 155, 106767	9
205	Silver nanoparticles anchored TiO ₂ nanotubes prepared using saponin extract as heterogeneous and recyclable catalysts for reduction of dyes. 2021 , 47, 14750-14759	8
204	Morphological and structural insights into high aspect ratio lauric acid/TiO ₂ nanowires: A low-temperature synthesis. 2021 , 47, 9424-9436	2
203	Preparation of poly-d,l-lactide based nanocomposites with polymer-grafted silica by melt blending: Study of molecular, morphological, and mechanical properties. 2021 , 42, 955-972	2
202	Enhancement of adsorption and photocatalytic activities of alkaline-based TiO ₂ nanotubes for experimental and theoretical investigation under FeCl ₃ and H ₂ O ₂ . 2021 , 39, 101715	3

201	Solar Photocatalytic and Antimicrobial Activity of Porous Indium-Doped TiO ₂ Nanostructure. 2021 , 46, 5505-5522	2
200	The synergistic effect of CNTs-polymeric surfactant on the properties of concrete nanocomposites: Comparative study. 2021 , 55, 1371-1384	2
199	TiO ₂ /PLLA Electrospun Nanofibers Membranes for Efficient Removal of Methylene Blue Using Sunlight. 2021 , 29, 509-519	2
198	Apparatus-dependent sol-gel synthesis of TiO ₂ nanoparticles for dye-sensitized solar cells. 2021 , 42, 432-439	3
197	Gamma Irradiation-Assisted Synthesis of Silver Nanoparticle-Embedded Graphene Oxide-TiO ₂ Nanotube Nanocomposite for Organic Dye Photodegradation. 2021 , 2021, 1-14	1
196	Catalytic reduction of p-nitrophenol on Au/TiO ₂ powder and Au/TiO ₂ membrane. 2021 ,	2
195	Photoactivation and photoregeneration of TiO ₂ /PAC mixture applied in suspension in water treatments: approach to a real application. 2021 , 28, 24167-24179	2
194	Core-Shell Structured Magnetite-Poly(diphenylamine) Microspheres and Their Tunable Dual Response under Magnetic and Electric Fields. 2021 , 37, 2298-2311	5
193	Photocatalytic degradation of 2,4-dichlorophenoxyacetic acid by TiO modified catalyst: kinetics and operating cost analysis. 2021 , 28, 33331	6
192	Simultaneous bioremediation of cationic copper ions and anionic methyl orange azo dye by brown marine alga <i>Fucus vesiculosus</i> . 2021 , 11, 3555	10
191	Impact of Ni metal ion concentration in TiO ₂ nanoparticles for enhanced photovoltaic performance of dye sensitized solar Cell. 2021 , 32, 5295-5308	3
190	Employing Optical Emission Spectroscopy to Elucidate the Impact of Titanium Dioxide in Plasma-Assisted Catalysis. 2021 , 125, 3924-3939	1
189	Kinetic and mechanistic aspects during a styrene-based Pickering emulsion polymerization: Importance of the co-aid adsorption. 2021 , 28, 1	0
188	CO ₂ Hydrogenation to Methane over Ni-Catalysts: The Effect of Support and Vanadia Promoting. 2021 , 11, 433	6
187	Titanium industrial residues surface modification towards its reuse as antimicrobial surfaces. 2021 , 28, 38224-38237	4
186	Hf- and Ti-Based Organic/Inorganic Hybrid Dielectrics Synthesized via Chemical Vapor Phase for Advanced Gate Stack in Flexible Electronic Devices. 2021 , 7, 2001197	2
185	Electrosynthesis of titanium dioxide from sulfate leach liquors using solvent extraction/electrochemical deposition process. 1-18	1
184	Development of a carboxyl-terminated indium tin oxide electrode for improving cell adhesion and facilitating low noise, real-time impedance measurements. 2021 , 320, C974-C986	

183	2D square nanosheets of Anatase TiO ₂ : A surfactant free nanofiller for transformer oil nanofluids. 2021 , 325, 115000		3
182	Durable functionalization of polyethylene terephthalate fabrics using metal oxides nanoparticles. 2021 , 615, 126223		0
181	Continuous photocatalytic set-up assisted with nano TiO plate for tannery wastewater treatment. 2021 , 83, 2732-2743		1
180	Biochar of Spent Coffee Grounds as Per Se and Impregnated with TiO: Promising Waste-Derived Adsorbents for Balofloxacin. 2021 , 26,		8
179	Collagen and Carbon-ferrous Nanoparticles Used as a Green Energy Composite Material for Energy Storage Devices. 2021 , 14, 80-92		0
178	Low-cost nano-TiO composites for remediation of textile dyes: Appraisal on the effect of solar and ultraviolet irradiations. 2021 , 84, 2219-2235		1
177	Facile synthesis and characterization of TiO ₂ nanoparticles: X-ray peak profile analysis using WilliamsonHall and DebyeScherrer methods. 2021 , 11, 241-261		4
176	Passivation of the TiO ₂ Surface and Promotion of N719 Dye Anchoring with Poly(4-vinylpyridine) for Efficient and Stable Dye-Sensitized Solar Cells. 2021 , 9, 5981-5990		1
175	Using a mixture of vinasse-contaminant+H ₃ PO ₄ as efficient electrolyte for high performance flexible carbon nanotube-based supercapacitors.		0
174	Antibacterial Activity of TiO ₂ Nanoparticles Prepared by One-Step Laser Ablation in Liquid. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4623	2.6	23
173	Studies on ionic liquid based nanocomposite gel polymer electrolyte and its application in sodium battery. 2021 , 267, 115098		3
172	Ammonia room-temperature gas sensor using different TiO ₂ nanostructures. 2021 , 32, 17371-17381		5
171	Photocatalytic Degradation of Methylene Blue by TiO ₂ - Graphene Composite. 317, 257-262		
170	Titanium Dioxide/Polyvinyl Alcohol/Cork Nanocomposite: A Floating Photocatalyst for the Degradation of Methylene Blue under Irradiation of a Visible Light Source. 2021 , 6, 14493-14503		7
169	Effect of temperature and humidity on the sensing performance of TiO ₂ nanowire-based ethanol vapor sensors. 2021 , 32,		10
168	TiO nanoparticle coatings on glass surfaces for the selective trapping of leukemia cells from peripheral blood. 2021 , 109, 2142-2153		3
167	Tailoring Mesoporous Titania Features by Ultrasound-Assisted Sol-Gel Technique: Effect of Surfactant/Titania Precursor Weight Ratio. 2021 , 11,		4
166	Enhancement of dielectric responses and conduction properties of Zn-doped TiO ₂ for energy storage and photosensitivity applications. 2021 , 32, 13187-13204		0

165	Nano-FTIR spectroscopic identification of prebiotic carbonyl compounds in Dominion Range 08006 carbonaceous chondrite. 2021 , 11, 11656	2
164	Steric stabilization of β -cyclodextrin functionalized graphene oxide by host-guest chemistry: A versatile supramolecule for dual-stimuli responsive cellular delivery of doxorubicin. 2021 , 63, 102536	6
163	The Role of the Compositions of HZSM-5 Zeolites modified with Nanosized Anatase in Propane and Ethanol Conversion. 2021 ,	3
162	Ultra-Low Wear and Anti-Oxidation Properties of Microcrystalline Graphite Oxide-Magnesium Silicate Hydroxide Composite Nanoadditives in the Poly-Alpha-Olefin Base Oil. 2022 , 144,	0
161	Fabrication of polyethylene glycol hydrogels with enhanced swelling; loading capacity and release kinetics. 1	2
160	Application of the response surface methodology for the evaluation of Staphylococcus aureus inhibition with Ag/TiO ₂ nanoparticles. 1	3
159	Geometry influenced adsorption of fluoxetine over the surface of RuFeO ₃ and CeFeO ₃ nanoparticles: Kinetics and thermodynamic studies. 2021 , 47, 20544-20561	2
158	Label-Free Creatinine Optical Sensing Using Molecularly Imprinted Titanium Dioxide-Polycarboxylic Acid Hybrid Thin Films: A Preliminary Study for Urine Sample Analysis. 2021 , 9, 185	3
157	Incorporation of Anatase TiO ₂ to Highly Porous Silica (BMMs) for Photo-Degradation of Alizarin Red Dye in Aqueous Solution. 2021 , 6, 6816-6825	2
156	Low-Temperature Co-hydroxylated Cu/SiO Hybrid Bonding Strategy for a Memory-Centric Chip Architecture. 2021 , 13, 38866-38876	6
155	The Influence of TiO ₂ on the Proton Conduction and Thermal Stability of CsH ₂ PO ₄ Composite Electrolytes. 2021 , 37, 227-236	7
154	Synthesis of hierarchical and flower-like TiO nanowire microspheres as biocompatible cell carriers. 2021 , 126, 112118	3
153	Applicability of carbothermic reduction for upgrading Sri Lankan ilmenite ores: towards converting ilmenite into synthetic rutile by mechanical activation. 2021 , 45,	0
152	Experimental investigation of base oil properties containing modified TiO ₂ /CuO nanoparticles additives. 2021 , 1973, 012089	
151	One-step preparation of green tea ash derived and polymer functionalized carbon quantum dots via the thiol-ene click chemistry. 2021 , 130, 108743	1
150	Improving the electrochemical performance of flexible carbon nanotubes based supercapacitors by depositing Ni@TiO ₂ :W nanoparticles on their anodes. 2021 , 155, 110128	2
149	Surface modification of TiO ₂ nanoparticles with CuO for visible-light antibacterial applications and photocatalytic degradation of antibiotics. 2021 , 47, 33875-33875	5
148	Fabrication and Photocatalytic Properties of Electrospun Fe-Doped TiO Nanofibers Using Polyvinyl Pyrrolidone Precursors. 2021 , 13,	3

147	Visible-light-driven lanthanide-organic-frameworks modified TiO ₂ photocatalysts utilizing up-conversion effect. 2021 , 291, 120056	7
146	Synthesis of Hydrophilic Poly(butylene succinate-butylene dilinoleate) (PBS-DLS) Copolymers Containing Poly(Ethylene Glycol) (PEG) of Variable Molecular Weights. 2021 , 13,	3
145	Evaluation of an alternative biotreatment for the extraction of harmful iron and sulfur species from waterlogged wood. 2021 , 136, 937	1
144	An Amalgam of Mg-Doped TiO ₂ Nanoparticles Prepared by Sol-Gel Method for Effective Antimicrobial and Photocatalytic Activity. 1	0
143	New insights into the surface oxidation role in enhancing Congo red dye uptake by Egyptian ilmenite ore: Experiments and physicochemical interpretations. 2021 , 26, 101316	1
142	Tuning of electrical conduction properties of natural fibers and TiO ₂ based flexible paper composite sheets by electrodeposition of metallic nanolayers. 2021 , 47, 29435-29442	0
141	The macro-debris pollution in the shorelines of Lake Tana: First report on abundance, assessment, constituents, and potential sources. 2021 , 797, 149235	10
140	Recent advances on Metal oxide-polymer systems in targeted therapy and diagnosis: Applications and toxicological perspective. 2021 , 66, 102814	0
139	Surface modification of TiO ₂ nanoparticles with 1,1,1-Tris(hydroxymethyl)propane and its coating application effects on castor seed oil-PECH blend based urethane systems. 2021 , 161, 106469	1
138	3D-printed photoreactor with robust g-C ₃ N ₄ homojunction based thermoset coating as a new and sustainable approach for photocatalytic wastewater treatment. 2021 , 9, 106437	5
137	A novel synthesis and characterization of transparent CdS thin films for CdTe/CdS solar cells. 2020 , 126, 1	25
136	Melanin-PEG nanoparticles as a photothermal agent for tumor therapy. 2020 , 25, 101575	4
135	Estudio experimental de la estabilidad y propiedades termofísicas de los nanolubricantes PEG 400-CuO, PEG 400-Grafeno y PEG 400-CuO/Grafeno. 2021 , 19,	
134	Low-temperature Cu/SiO ₂ hybrid bonding using a novel two-step cooperative surface activation. 2021 ,	1
133	Surface refractive index sensor based on titanium dioxide composite thin film for detection of cadmium ions. 2021 , 187, 110287	4
132	The synergistic effect of anatase and brookite for photocatalytic generation of hydrogen and diclofenac degradation. 2021 , 9, 106566	3
131	Formulation of water-based white colour paint from waste titanium dioxide. 2021 ,	0
130	The impact of titanium oxide nanoparticles and low direct electric current on biofilm dispersal of <i>Bacillus cereus</i> and <i>Pseudomonas aeruginosa</i> : A comparative study. 13, 130005	0

129	Sterculia foetida fruit shell based activated carbon for the effective removal of industrial effluents. 2021 , 98, 100196	
128	An Insight into Characterizations and Applications of Nanoparticulate Targeted Drug Delivery Systems. 2019 , 417-453	
127	MgO nanoparticles coated with Polyethylene Glycol as carrier for 2-Methoxyestradiol anticancer drug.	2
126	Removal of Methylene Blue by Activated Glass Foams with TiO ₂ in Dark and Simulated Solar Light. 2019 , 61, 33-43	
125	Fabrication and characterization of chitosan-titanium oxide nanotubes scaffolds reinforced with tiger milk mushroom. 2021 , 1195, 012021	1
124	Performance improvement of ambient-condition fabricated perovskite solar cells using an interfacial HKUST-1 MOF on electron transfer layer. 2021 , 27, 101579	0
123	Titania Nanotube Architectures Synthesized on 3D-Printed Ti-6Al-4V Implant and Assessing Vancomycin Release Protocols. 2021 , 14,	1
122	Zirconia-dispersed polyethylene glycol composites with a low temperature-degradation rate. 2021 , 138, 50384	0
121	The Study of Ultrasonic Treatment Influence on the Physical/Chemical Properties of TiO ₂ /SnO ₂ = 1:1 Composition. 2020 , 209-219	
120	Sonochemical and Mechanochemical Syntheses of Nanodispersed TiO ₂ /SnO ₂ System. 2020 , 73-83	
119	Biomedical Applications of Nanoalloys. 2020 , 381-432	0
118	Design of MFI Type Aluminum- and Titanium-Containing Zeolites. 2021 , 11, 1451	0
117	Fabrication of p-NiO/n-TiO ₂ Solar Device for Photovoltaic Application. 2021 , 2021, 1-10	
116	Improving Thermal Stability and Hydrophobicity of Rutile-TiO ₂ Nanoparticles for Oil-Impregnated Paper Application. 2021 , 14, 7964	1
115	Removal of dyes from aqueous solution using ultraviolet/hydrogen peroxide/titanium dioxide process in a rotating microreactor. 1	0
114	Synthesis and Characterization of Nonwoven Cotton-Reinforced Cellulose Hydrogel for Wound Dressings. 2021 , 13,	5
113	Heat- assisted sol-gel synthesis of tio ₂ nanoparticles structural, morphological and optical analysis for self-cleaning application. 2021 , 101746	4
112	Identification and Quantification of Nanomaterials in Consumer Product. 2021 , 1-39	

111	Performance-Enhancing Sulfur-Doped TiO ₂ Photoanodes for Perovskite Solar Cells. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 429	2.6	1
110	Highly efficient textile supercapacitors made with face masks waste and thermoelectric Ca ₃ Co ₄ O ₉ -bixide. 2022 , 46, 103818		5
109	Single-step fabrication of highly stable amorphous TiO nanotubes arrays (am-TNTA) for stimulating gas-phase photoreduction of CO to methane. 2021 , 289, 133170		1
108	Safety studies of polyethylene glycol/hydroxyapatite nanocomposites on <i>Drosophila melanogaster</i> : an in vivo model. 2022 , 12, 225-236		1
107	To PEGylate or not to PEGylate: Immunological properties of nanomedicine's most popular component, polyethylene glycol and its alternatives.. 2021 , 180, 114079		16
106	Structural, thermal, and transport properties of nanocomposite CsH ₂ PO ₄ /NaH ₂ PO ₄ /TiO ₂ : A novel proton conducting electrolyte for fuel cells. 2022 , 4, 100262		0
105	Fabrication and Characterization of a Marine Wet Solar Cell with Titanium Dioxide and Copper Oxides Electrodes. 2022 , 12, 99		0
104	and Peel Waste Extract Mediated Synthesis of TiO ₂ /rGO Nanocomposites for Photocatalytic Degradation of Methylene Blue under Visible Light Irradiation.. 2022 , 2022, 5978707		3
103	Physicomechanical and Antimicrobial Characteristics of Cement Composites with Selected Nano-Sized Oxides and Binary Oxide Systems.. 2022 , 15,		0
102	Synthesis, characterization, and application of gene conjugated polymerized nitrogen-doped graphene quantum dots carriers for in vivo bio-targeting in neuroblastoma treatment. 2022 , 131, 104167		1
101	An electronic nose based on carbon nanotube -titanium dioxide hybrid nanostructures for detection and discrimination of volatile organic compounds. 2022 , 357, 131418		7
100	Effects of neutron irradiation at different fluencies on nanosized anatase titanium dioxide. 2022 , 194, 109988		1
99	A green alternative QuEChERS developed based on green deep eutectic solvents coupled with gas chromatography-mass spectrometry for the analysis of pesticides in tea samples.. 2022 , 380, 132181		1
98	Chemical and structural characterization of hybrid delivery systems studied by FTIR, NMR, and SAS techniques. 2022 , 27-51		
97	Improvement in photocatalytic activity of titanium dioxide nanoparticles through doping and calcination for textile wastewater treatment under visible light. 2022 ,		
96	Influence of NaH ₂ PO ₄ and TiO ₂ on the Proton Conduction and Thermal Properties of Nanocomposite Electrolyte CsH ₂ PO ₄ for Fuel Cells. 1		
95	State of the Art of Synthesized PANI-(Sn+2/TiO ₂) Nanocomposites for Conductive Application. 2022 , 33, 32-38		
94	Fabrication of TiO/NiO p-n Nanocomposite for Enhancement Dye Photodegradation under Solar Radiation.. 2022 , 12,		1

93	Study on interfacial interactions and optoelectronic properties of MEH-PPV/SnO ₂ hetero-structure. 2022 , 37, 045015	0
92	Development of thiolated polyethylene glycol-poly (lactic-co-glycolic acid) co-polymeric nanoparticles for intranasal delivery of quetiapine: in vitro x vivo characterization. 1-11	0
91	Green Flame-Retardant Composites Based on PP/TiO/Lignin Obtained by Melt-Mixing Extrusion.. 2022 , 14,	0
90	Interfacial Deposition of Titanium Dioxide at the Polarized Liquid-Liquid Interface.. 2022 , 15,	0
89	Enhanced photocatalytic degradation of Acid Blue dye using CdS/TiO nanocomposite.. 2022 , 12, 5759	6
88	Mechanical and microstructural properties of expanded polyethylene powder/mica filled hybrid polystyrene composites. 1-10	3
87	Solution combustion synthesis of high surface area Li ₂ TiO ₃ nanostructure particles: Effect of nitric acid and NaCl addition. 2022 , 48, 10039-10047	0
86	Novel Polymer/Barium Intercalated Vanadium Pentoxide with Expanded Interlayer Spacing as High-Rate and Durable Cathode for Aqueous Zinc-Ion Batteries.. 2022 ,	0
85	Sol-gel derived mesoporous TiO ₂ : Effects of non-ionic co-polymers on the pore size, morphology, specific surface area and optical properties analysis. 2022 , 14, 100266	3
84	Design and synthesis of g-C ₃ N ₄ /(Cu/TiO ₂) nanocomposite for the visible light photocatalytic degradation of endosulfan in aqueous solutions. 2022 , 1258, 132650	2
83	Facile hydrothermal synthesis of MXene@antimony nanoneedle composites for toxic pollutants removal.. 2022 , 112904	1
82	A novel (Ti/Ce)UiO-X MOFs@TiO ₂ heterojunction for enhanced photocatalytic performance: Boosting via Ce ⁴⁺ /Ce ³⁺ and Ti ⁴⁺ /Ti ³⁺ redox mediators. 2022 , 310, 121349	0
81	Superhydrophobic SLA 3D printed materials modified with nanoparticles biomimicking the hierarchical structure of a rice leaf.. 2022 , 23, 300-321	2
80	Phase transformation induced structural, optical and photocatalytic investigations of TiO ₂ nanoparticles. 2022 , 45, 1	
79	Development of zerovalent iron and titania (Fe/TiO) composite for oxidative degradation of dichlorophene in aqueous solution: synergistic role of peroxymonosulfate (HSO).. 2022 , 1	1
78	Graphene Oxide Hybrid Coatings on Implant Alloys for Biomedical Applications. 2022 , 537-557	
77	Engineering the photocatalytic efficiency of nanoscale TiO ₂ anatase doped (Nd/Y) and codoped (Nd-Y/Nd-Sm) lanthanides to decompose the azo Dye Orange G.	0
76	Identification and Quantification of Nanomaterials in Consumer Product. 2022 , 101-139	

75	The impact of copper(I) addition on anatase-TiO ₂ nanostructured films for its inactivation of Escherichia coli and Staphylococcus aureus.	
74	Fabrication of TiO ₂ KH550 PEG Super-Hydrophilic Coating on Glass Surface without UV/Plasma Treatment for Self-Cleaning and Anti-Fogging Applications.. 2022 , 15,	1
73	Facile preparation of Nb ₂ O ₅ /TiO ₂ heterostructures for photocatalytic application. 2022 , 100079	0
72	Photocatalytic activity of anatase-brookite TiO ₂ nanoparticles synthesized by sol gel method at low temperature. 2022 , 129, 112256	5
71	Silver Nanoparticles Mediated through Aqueous Leaf Extract of Ageratina adenophora Inhibit Proliferation and Induce Apoptosis in Human Ovarian Teratocarcinoma Cell Line PA-1. 2022 , 34, 1755-1762	
70	Multifunctional Hybrid MoS ₂ -PEGylated/Au Nanostructures with Potential Theranostic Applications in Biomedicine. 2022 , 12, 2053	1
69	Advanced Analytical Approach Based on Combination of FT-IR and Chemometrics for Quality Control of Pharmaceutical Preparations. 2022 , 15, 763	1
68	Gallic Acid-Functionalized, TiO ₂ -Based Nanomaterial Preparation, Physicochemical and Biological Properties. 2022 , 15, 4177	
67	Thermal Conductivity Enhancement of Atomic Layer Deposition Surface-Modified Carbon Nanosphere and Carbon Nanopowder Nanofluids. 2022 , 12, 2226	0
66	Integrated Approaches for Adsorption and Incorporation Testing of Green-Synthesized TiO ₂ NPs Mediated by Seed-Priming Technology in Punica granatum L.. 2022 , 12, 1601	
65	A sustainable avocado-peel based electrode for efficient graphene supercapacitors: Enhancement of capacitance by using Sr doped LaMnO ₃ perovskites. 2022 ,	0
64	Structural, thermal, and electrochemical studies on PVA-LiTF-TiO ₂ nanocomposite polymer electrolyte and the performance on electric double layer capacitor application.	
63	Nano-fertilizers: A sustainable technology for improving crop nutrition and food security. 2022 , 27, 100411	3
62	Single Nb atom modified anatase TiO ₂ (110) for efficient electrocatalytic nitrogen reduction reaction. 2022 ,	3
61	Highly efficient and freely soluble titanium sub-oxide powder as interfacial functional material for versatile photovoltaic cells. 2022 , 450, 138017	
60	Titanium Phosphate Grafted on Mesoporous SBA-15 Silica as a Solid Acid Catalyst for the Synthesis of 5-Hydroxymethylfurfural from Glucose.	0
59	Production of hybrid TiO ₂ /ECD photocatalysts by supercritical antisolvent micronization for UV light-driven degradation of azo dyes. 2022 , 105695	1
58	Mechanical, antibacterial, and non-cytotoxic performance of polypropylene nanocomposites reinforced with sTiO ₂ deposited with AgNPs mediated by quercetin biomolecule.	0

57	Development of Copper Nanoparticle Conjugated Chitosan Microparticle as a stable source of 2nm copper nanoparticle effective against Methicillin-resistant Staphylococcus aureus. 2022 , 10,	
56	Visible-light-driven photocatalytic inactivation of Escherichia coli by titanium dioxide anchored on natural pyrite. 2022 , 109913	o
55	Hydroxypropyl Beta Cyclodextrin as a Potential Surface Modifier for Paclitaxel Nanocrystals. 2022 , 23,	
54	TiO ₂ /BiVO ₄ composite from preformed nanoparticles for heterogeneous photocatalysis. 2022 , 290, 126588	o
53	Baseline marine litter abundance and distribution on Saint Martin Island, Bay of Bengal, Bangladesh. 2022 , 183, 114091	o
52	Titanium dioxide nanoparticles fabrication from Parmotrema austrosinense (Zahlbr.) Hale extracts and its antimicrobial efficacy against plant pathogens. 2022 , 145, 110007	o
51	A deep eutectic solvent-assisted electrochemical synthesis of TGA capped CdSe@Cu ₂ Se core-shell quantum dots on the graphene-modified electrode as a catalytic platform for the determination of pyrazinamide. 2023 , 253, 123928	o
50	Heat-Light Source and Nanofluid Effects on Flat Plate Solar Collector Thermal Energy Storage Efficiency.	o
49	Synergistic Correlation in the Colloidal Properties of TiO ₂ Nanoparticles and Its Impact on the Photocatalytic Activity. 2022 , 10, 125	1
48	Green synthesis of TiO ₂ @MWCNTs composites by pulsed laser ablation in liquid. 2022 , 128,	1
47	Photoelectrocatalytic conversion of biomethane and biogas to hydrogen over a nanostructured Ti/TiO ₂ semiconductor.	o
46	Photodegradation of Reactive Blue 4 Using Suspension of Anatase-Titanium Dioxide and Corn Cob. 2022 , 932, 45-58	o
45	Co, Cu, Fe, and Ni Deposited over TiO ₂ and Their Photocatalytic Activity in the Degradation of 2,4-Dichlorophenol and 2,4-Dichlorophenoxyacetic Acid. 2022 , 10, 157	2
44	The critical factors of photocatalytic H ₂ production from seawater by using TiO ₂ as photocatalyst.	o
43	Characterization of ENMs in water, soil, and plant media. 2023 , 51-85	o
42	Recycling diapers waste for the fabrication of flexible supercapacitors and the role of the lead ferrite (PbFe ₁₁ CrO ₁₉) to enhance their capacitance.	o
41	Promising Supercapacitive and Photocatalytic Performances of TiO ₂ Nanotubes Loaded with Graphene: Insight on the Quantitative Characterisation by EIS.	o
40	Synthesis of Biodegradable Polyester/Polyether with Enhanced Hydrophilicity, Thermal Stability, Toughness, and Degradation Rate. 2022 , 14, 4895	o

39	Preparation and Tribological Properties of a Multilayer Graphene-Reinforced TiO ₂ Composite Nanolubricant Additive.	0
38	Mesoporous graphene-based hybrid nanostructures for capacitive energy storage and photocatalytic applications. 1-11	1
37	Synthesis of a stabilized colloidal suspension of PEGylated ceria nanoparticles for biomedical applications. 2022 ,	0
36	Photocatalytic activity of visible-light-driven L-Proline-TiO ₂ /BiOBr nanostructured materials for dyes degradation: The role of generated reactive species. 2023 , 326, 116691	1
35	Modification of bio-composite coating by dry electrostatic spray. 2022 ,	0
34	In-situ assembly of polyelectrolyte via surface segregation of titanium oxide for antifouling membranes. 2023 , 306, 122743	0
33	Removing methylene blue from water: A study of sorption effectiveness onto nanoparticles-doped activated carbon. 2023 , 313, 137533	0
32	Enhanced conversion of dairy waste oil to biodiesel via novel and highly reactive UiO-66-NH ₂ /ZnO/TiO ₂ nano-catalyst: Optimization, kinetic, thermodynamic and diesel engine studies. 2022 , 126901	2
31	Additively manufactured photoreactor with immobilized thermoset acrylic-graphitic carbon nitride nanosheets for water remediation: Response surface methods and adsorption modelling studies. 2022 , 140633	0
30	Comparative Study of Green Nano Synthesis of Versatile TiO ₂ with its Chemical Nano Synthesis □ Application to Photocatalytic and Antibacterial Activity. 2022 , 15, 6234-6244	0
29	Efficient NiO/F ₁₂ TiO ₂ nanocomposites for 4-chlorophenol photodegradation. 2022 , 137606	0
28	Synthesis and Characterization of Calcium Alginate-Based Microspheres Entrapped with TiO ₂ Nanoparticles and Cinnamon Essential Oil Targeting Clinical Staphylococcus aureus. 2022 , 14, 2764	0
27	A novel UV-shielding reagent synthesized and its effects on properties of PVC.	0
26	Synthesis and Characterization of Various Bimetallic Nanoparticles and Their Application. 2023 , 4, 1-24	0
25	Nanofluids stability on amino-silane and polymers coating titanium dioxide and zinc oxide nanoparticles. 2023 , 37, 101318	0
24	Removal of ceftriaxone sodium antibiotic from pharmaceutical wastewater using an activated carbon based TiO ₂ composite: Adsorption and photocatalytic degradation evaluation. 2023 , 137834	1
23	Optimization of novel nanocomposite powder for simultaneous removal of heavy metals from palm oil mill effluent (POME) by response surface methodology (RSM).	0
22	Using the amorphous-carbon derived from cigarette filters for the fabrication of highly efficient flexible supercapacitors and role of the Sr _{3.2} Y _{0.8} Fe _{1.5} Co _{1.5} O ₁₀ layered perovskite to enhance their electrochemical performance. 2023 , 60, 106539	0

21	Spectroscopic Investigations of Porphyrin-TiO ₂ Nanoparticles Complexes. 2023 , 28, 318	1
20	Green synthesis of TiO ₂ nanospheres from isolated <i>Aspergillus eucalypticola</i> SLF1 and its multifunctionality in nanobioremediation of C. I. Reactive Blue 194 with antimicrobial and antioxidant activity. 2023 ,	0
19	Study on the Wood Characteristics of the Chinese Ancient Ship Luoyang I. 2023 , 16, 1145	0
18	Structural, compositional study, and thermal behavior of TiO ₂ /Cr ₂ O ₃ /GO nanocomposite for methylene blue degradation. 2023 , 439, 114597	0
17	Introduction of Fe on rGO/TiO ₂ improves styrene visible light-driven photocatalytic oxidation: Characterization, stability, kinetics, and mechanism. 2023 , 439, 114613	0
16	Micro-Raman spectroscopic analysis of liquid-liquid phase separation. 2023 , 25, 9051-9060	0
15	Photodynamic Activity of TMPyP4/TiO ₂ Complex under Blue Light in Human Melanoma Cells: Potential for Cancer-Selective Therapy. 2023 , 15, 1194	0
14	Influence of phthalocyanine nanowire dye on the performance of titanium dioxide-metal organic framework nanocomposite for dye-sensitized solar cells. 2023 , 14, 100485	0
13	Enhanced photo-Fenton activity and stability for sulfamethoxazole degradation by FeS ₂ @TiO ₂ heterojunction derived from MIL-125. 2023 , 322, 138221	0
12	MoS ₂ -TiO ₂ coated PVDF-based hollow fiber membranes for permeate flux enhancement in membrane distillation. 2023 , 11, 109866	0
11	Enhanced activity of CuO _y /TNTs doped by CeO _x for catalytic ozonation of 1,2-dichloroethane at normal temperatures: Performance and catalytic mechanism. 2023 , 311, 123255	0
10	Ultrasonic Preparation of PN for the Photodegradation of 17 β -Estradiol in Water and Biototoxicity Assessment of 17 β -Estradiol after Degradation. 2023 , 13, 332	0
9	Potential of low-cost TiO ₂ -PVC composite in photoelectrocatalytic degradation of reactive orange 16 under visible light. 2023 , 30, 47144-47157	0
8	Enhancing the Photocatalytic Activity of TiO ₂ for the Degradation of Congo Red Dye by Adjusting the Ultrasonication Regime Applied in Its Synthesis Procedure. 2023 , 13, 345	0
7	Preparation, characterization, and evaluation of antibacterial and cytotoxic activity of chitosan-polyethylene glycol nanoparticles loaded with amoxicillin as a novel drug delivery system. 1-23	0
6	Nile Tilapia Skin Impregnated with Antibacterial Silver/Titanium Dioxide Compounds. 2023 , 3, 265-275	0
5	Green Synthesized Titanium Dioxide Nanoparticle from Aloe Vera Extract as a Promising Candidate for Radiosensitization Applications.	0
4	Microplastics in facial cleanser: extraction, identification, potential toxicity, and continuous-flow removal using agricultural waste-based biochar.	0

- 3 Titanium Dioxide Thin Films Produced on FTO Substrate Using the Sol-Gel Process: The Effect of the Dispersant on Optical, Surface and Electrochemical Features. **2023**, 16, 3147 ○
- 2 The Encapsulation of Natural Organic Dyes on TiO₂ for Photochromism Control. **2023**, 24, 7860 ○
- 1 Delaminated or Multi-layer Ti₃C₂TX-MXene-incorporated polydimethylsiloxane mixed matrix membrane for enhancing CO₂ /N₂ separation. **2023**, 100410 ○