Citation Report
List of articles citing

Synthesis of visible-light responsive graphene oxide/TiO(2) composites with p/n heterojunction

DOI: 10.1021/nn102130m
ACS Nano, 2010, 4, 6425-32.

#	Paper	IF	Citations
783	Tailoring Graphene Nanosheets for Highly Improved Dispersion Stability and Quantitative Assessment in Nonaqueous Solvent.		
782	Preparation and Evaluation of Titanium-Based Xerogel as a Promising Coagulant for Water/Wastewater Treatment.		
781	In situ assembly of well-dispersed Ag nanoparticles (AgNPs) on electrospun carbon nanofibers (CNFs) for catalytic reduction of 4-nitrophenol. **2011**, 3, 3357-63		501
780	Core/shell nanofibers of TiO2@carbon embedded by Ag nanoparticles with enhanced visible photocatalytic activity. **2011**, 21, 17746		129
779	Morphology-controllable graphene□TiO2 nanorod hybrid nanostructures for polymer composites with high dielectric performance. **2011**, 21, 17729		114
778	Dye-Sensitized Reduced Graphene Oxide Photocatalysts for Highly Efficient Visible-Light-Driven Water Reduction. *Journal of Physical Chemistry C*, **2011**, 115, 13938-13945	3.8	239
777	Porous Fe3O4/Carbon Core/Shell Nanorods: Synthesis and Electromagnetic Properties. *Journal of Physical Chemistry C*, **2011**, 115, 13603-13608	3.8	329
776	Photocatalytic Activity of TiO2 Nanoparticles Sensitized by CuInS2 Quantum Dots. **2011**, 50, 9131-9137		73
775	TiO(2)@carbon core/shell nanofibers: controllable preparation and enhanced visible photocatalytic properties. **2011**, 3, 2943-9		172
774	Reduced graphene oxide as capturer of dyes and electrons during photocatalysis: surface wrapping and capture promoted efficiency. *Physical Chemistry Chemical Physics*, **2011**, 13, 13216-21	3.6	89
773	TiO2□Graphene Nanocomposite as High Performace Photocatalysts. *Journal of Physical Chemistry C*, **2011**, 115, 25209-25218	3.8	197
772	Graphene oxide enwrapped Ag/AgX (X = Br, Cl) nanocomposite as a highly efficient visible-light plasmonic photocatalyst. *ACS Nano*, **2011**, 5, 4529-36	16.7	633
771	Synthesis of Magnetite/Graphene Oxide Composite and Application for Cobalt(II) Removal. *Journal of Physical Chemistry C*, **2011**, 115, 25234-25240	3.8	347
770	Non-covalent doping of graphitic carbon nitride polymer with graphene: controlled electronic structure and enhanced optoelectronic conversion. **2011**, 4, 4517		371
769	Fabrication of gold nanoparticle/graphene oxide nanocomposites and their excellent catalytic performance. **2011**, 21, 11080		138
768	Graphene-based photocatalytic composites. **2011**, 1, 1426		453
767	Enhanced photocatalytic H□production activity of graphene-modified titania nanosheets. **2011**, 3, 3670-8		678

766	Preparation and visible light photocatalytic activity of Ag/TiO2/graphene nanocomposite. **2011**, 3, 4411-7		335
765	Synthesis, characterization and photocatalytic activity of NaNbO3/ZnO heterojunction photocatalysts. **2011**, 509, 9157-9163		38
764	Engineering the unique 2D mat of graphene to achieve graphene-TiO2 nanocomposite for photocatalytic selective transformation: what advantage does graphene have over its forebear carbon nanotube?. *ACS Nano*, **2011**, 5, 7426-35	16.7	621
763	Reduced graphene oxide–TiO2 nanocomposite with high photocatalystic activity for the degradation of rhodamine B. **2011**, 345, 101-107		202
762	BiVO4–graphene catalyst and its high photocatalytic performance under visible light irradiation. *Materials Chemistry and Physics*, **2011**, 131, 325-330	4.4	163
761	Selectivity in the photocatalytic properties of the composites of TiO2 nanoparticles with B- and N-doped graphenes. **2011**, 511, 304-308		70
760	Efficient Visible Light Photocatalytic Removal of NO with BiOBr-Graphene Nanocomposites. *Journal of Physical Chemistry C*, **2011**, 115, 25330-25337	3.8	185
759	Stimuli-Responsive Polymer Covalent Functionalization of Graphene Oxide by Ce(IV)-Induced Redox Polymerization. *Journal of Physical Chemistry C*, **2011**, 115, 24636-24641	3.8	44
758	Ionic liquid-assisted one-step hydrothermal synthesis of TiO2-reduced graphene oxide composites. **2011**, 4, 795-806		123
757	Graphene-based materials: synthesis, characterization, properties, and applications. **2011**, 7, 1876-902		1968
756	A general approach for the growth of metal oxide nanorod arrays on graphene sheets and their applications. **2011**, 17, 13912-7		62
755	Graphene based materials: Past, present and future. **2011**, 56, 1178-1271		2607
754	Wavelength-tunable photoconductivity of dye-sensitized TiO2 nanoparticle films. **2012**, 37, 3585-7		
753	Graphene transforms wide band gap ZnS to a visible light photocatalyst. The new role of graphene as a macromolecular photosensitizer. *ACS Nano*, **2012**, 6, 9777-89	16.7	591
752	Constructing Ternary CdS–Graphene–TiO2 Hybrids on the Flatland of Graphene Oxide with Enhanced Visible-Light Photoactivity for Selective Transformation. *Journal of Physical Chemistry C*, **2012**, 116, 18023-18031	3.8	281
751	Anatase TiO2 nanoparticle–graphene nanocomposites: One-step preparation and their enhanced direct electrochemistry of hemoglobin. **2012**, 4, 619		10
750	Design of graphene-based TiO2 photocatalysts--a review. *Environmental Science and Pollution Research*, **2012**, 19, 3676-87	5.1	240
749	Graphene oxide enwrapped Ag3PO4 composite: towards a highly efficient and stable visible-light-induced photocatalyst for water purification. **2012**, 2, 2525		204

748	Highly dispersive {001} facets-exposed nanocrystalline TiO2 on high quality graphene as a high performance photocatalyst. **2012**, 22, 7484		134
747	Heterostructures of vertical, aligned and dense SnO2 nanorods on graphene sheets: in situ TEM measured mechanical, electrical and field emission properties. **2012**, 22, 19196		29
746	Preparation and Characterization of Freestanding Hierarchical Porous TiO2 Monolith Modified with Graphene Oxide. **2012**, 4, 90-97		20
745	Graphene-based materials for catalysis. **2012**, 2, 54-75		791
744	Copper Ferrite-Graphene Hybrid: A Multifunctional Heteroarchitecture for Photocatalysis and Energy Storage. **2012**, 51, 11700-11709		166
743	Dye-cosensitized graphene/Pt photocatalyst for high efficient visible light hydrogen evolution. **2012**, 37, 10564-10574		114
742	Graphite oxide□TiO2 nanocomposite and its efficient visible-light-driven photocatalytic hydrogen production. **2012**, 516, 85-90		74
741	Hydrothermal synthesis of nanosized bismuth niobate and enhanced photocatalytic activity by coupling of graphene sheets. *Chemical Engineering Journal*, **2012**, 209, 215-222	14.7	33
740	Tungsten and nitrogen co-doped TiO2 electrode sensitized with Fe□hlorophyllin for visible light photoelectrocatalysis. *Chemical Engineering Journal*, **2012**, 209, 94-101	14.7	36
739	Synthesis and applications of graphene-based TiO(2) photocatalysts. **2012**, 5, 1868-82		200
738	Ternary Graphene□TiO2□e3O4 Nanocomposite as a Recollectable Photocatalyst with Enhanced Durability. **2012**, 2012, 4439-4444		75
737	Graphene based catalysts. **2012**, 5, 8848		642
736	UV-assisted photocatalytic synthesis of TiO2-reduced graphene oxide with enhanced photocatalytic activity in decomposition of sarin in gas phase. **2012**, 50, 147-156		54
735	Functionalization of graphene: covalent and non-covalent approaches, derivatives and applications. **2012**, 112, 6156-214		3041
734	Chemoselective photodeoxidization of graphene oxide using sterically hindered amines as catalyst: synthesis and applications. *ACS Nano*, **2012**, 6, 3027-33	16.7	73
733	Recent progress on graphene-based photocatalysts: current status and future perspectives. **2012**, 4, 5792-813		820
732	Multilayer Graphene Oxide/Cadmium Selenide Quantum-Dot-Coated Titanium Dioxide Heterojunction Solar Cell. **2012**, 33, 1165-1167		4
731	Progress in graphene-based photoactive nanocomposites as a promising class of photocatalyst. **2012**, 4, 5814-25		128

730	Graphene oxide modified g-C3N4 hybrid with enhanced photocatalytic capability under visible light irradiation. **2012**, 22, 2721-2726		619
729	Ionic liquid assisting synthesis of ZnO/graphene heterostructure photocatalysts with tunable photoresponse properties. **2012**, 26, 32-38		24
728	Enhanced photocatalytic activity and structural stability by hybridizing Ag3PO4 nanospheres with graphene oxide sheets. *Physical Chemistry Chemical Physics*, **2012**, 14, 15657-65	3.6	193
727	Catalytic outgrowth of SnO2 nanorods from ZnO–SnO2 nanoparticles microsphere core: combustion synthesis and gas-sensing properties. **2012**, 14, 7355		8
726	Visible light induced photo-hydroxylation of phenol to catechol over RGO–Ag3VO4 nanocomposites without the use of H2O2. **2012**, 2, 7377		31
725	Synergetic effect of Cu and graphene as cocatalyst on TiO2 for enhanced photocatalytic hydrogen evolution from solar water splitting. **2012**, 22, 18542		164
724	Enhanced Sonocatalytic Degradation of Rhodamine B by Graphene-TiO2 Composites Synthesized by an Ultrasonic-Assisted Method. **2012**, 33, 1276-1283		67
723	GRAPHENE FOR ENVIRONMENTAL AND BIOLOGICAL APPLICATIONS. **2012**, 26, 1242001		34
722	CuO/TiO2 nanocrystals grown on graphene as visible-light responsive photocatalytic hybrid materials. **2012**, 35, 495-499		39
721	Characterizations of photoconductivity of graphene oxide thin films. **2012**, 2, 022104		9
720	High quality graphene oxide–CdSe–Pt nanocomposites for efficient photocatalytic hydrogen evolution. **2012**, 22, 2292-2298		142
719	Protein Degradation and RNA Efflux of Viruses Photocatalyzed by Graphene–Tungsten Oxide Composite Under Visible Light Irradiation. *Journal of Physical Chemistry C*, **2012**, 116, 9653-9659	3.8	251
718	Graphene–inorganic nanocomposites. **2012**, 2, 64-98		507
717	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. **2012**, 22, 11778		144
716	Advanced nanoarchitectures for solar photocatalytic applications. **2012**, 112, 1555-614		1888
715	Graphene-based semiconductor photocatalysts. **2012**, 41, 782-96		2274
714	High Photocatalytic Activity of Magnetically Separable Manganese Ferrite–Graphene Heteroarchitectures. **2012**, 51, 725-731		157
713	Recent advances in hybrid photocatalysts for solar fuel production. **2012**, 5, 5902		502

712	One-step hydrothermal synthesis of N-doped TiO2/C nanocomposites with high visible light photocatalytic activity. **2012**, 4, 576-84		290
711	Improving the photocatalytic performance of graphene-TiO2 nanocomposites via a combined strategy of decreasing defects of graphene and increasing interfacial contact. *Physical Chemistry Chemical Physics*, **2012**, 14, 9167-75	3.6	256
710	Physicochemical and photocatalytic activities of self-assembling TiO2 nanoparticles on nanocarbons surface. **2012**, 12, 346-352		29
709	Combustion synthesis of graphene oxide–TiO2 hybrid materials for photodegradation of methyl orange. *Carbon*, **2012**, 50, 4093-4101	10.4	195
708	Enhanced chemical interaction between TiO2 and graphene oxide for photocatalytic decolorization of methylene blue. *Chemical Engineering Journal*, **2012**, 193-194, 203-210	14.7	181
707	TiO2–graphene nanocomposites for photocatalytic hydrogen production from splitting water. **2012**, 37, 2224-2230		182
706	Combination of cobalt ferrite and graphene: High-performance and recyclable visible-light photocatalysis. **2012**, 111-112, 280-287		288
705	Advanced nanostructured photocatalysts based on reduced graphene oxide–TiO2 composites for degradation of diphenhydramine pharmaceutical and methyl orange dye. **2012**, 123-124, 241-256		234
704	One-pot polyelectrolyte assisted hydrothermal synthesis of TiO2-reduced graphene oxide nanocomposite. *Materials Chemistry and Physics*, **2012**, 133, 480-486	4.4	11
703	Assembly of CeO2-TiO2 nanoparticles prepared in room temperature ionic liquid on graphene nanosheets for photocatalytic degradation of pollutants. *Journal of Hazardous Materials*, **2012**, 199-200, 170-8	12.8	92
702	Reduction of graphene oxide by an in-situ photoelectrochemical method in a dye-sensitized solar cell assembly. **2012**, 7, 101		52
701	Fabrication and characteristics of solution-processed graphene oxide–silicon heterojunction. **2013**, 7, 340-343		12
700	Synthesis of graphene/nickel oxide composite with improved electrochemical performance in capacitors. **2013**, 19, 1883-1889		24
699	Blue and green luminescence of reduced graphene oxide quantum dots. *Carbon*, **2013**, 63, 537-546	10.4	58
698	Graphene oxide–TiO2 composite filtration membranes and their potential application for water purification. *Carbon*, **2013**, 62, 465-471	10.4	210
697	High efficiency electron field emission from protruded graphene oxide nanosheets supported on sharp silicon nanowires. **2013**, 1, 5040		32
696	Doping of TiO2-GO and TiO2-rGO with noble metals: synthesis, characterization and photocatalytic performance for azo dye discoloration. **2013**, 89, 1038-46		26
695	Origin of Visible Light Photoactivity of Reduced Graphene Oxide/TiO2 by in Situ Hydrothermal Growth of Undergrown TiO2 with Graphene Oxide. *Journal of Physical Chemistry C*, **2013**, 117, 16734-16741	4.8	105

694	Multifunctional graphene oxide-TiO2–Ag nanocomposites for high performance water disinfection and decontamination under solar irradiation. *Journal of Hazardous Materials*, **2013**, 261, 214-23	12.8	146
693	Nanocrystal Assembly of Hierarchical Porous Architecture for Photocatalysis. **2013**, 417-441		0
692	Oxygenated-graphene-enabled recombination barrier layer for high performance dye-sensitized solar cell. *Carbon*, **2013**, 60, 523-530	10.4	8
691	Carbon nanohorns as integrative materials for efficient dye-sensitized solar cells. **2013**, 25, 6513-8		39
690	Improving the visible light photoactivity of In2S3-graphene nanocomposite via a simple surface charge modification approach. **2013**, 29, 10549-58		136
689	A green and direct synthesis of graphene oxide encapsulated TiO2 core/shell structures with enhanced photoactivity. *Chemical Engineering Journal*, **2013**, 230, 279-285	14.7	73
688	Electrophoretic deposition of reduced graphene oxide nanosheets on TiO2 nanotube arrays for dye-sensitized solar cells. **2013**, 111, 216-222		55
687	Preparation of novel CdS-graphene/TiO2 composites with high photocatalytic activity for methylene blue dye under visible light. **2013**, 36, 869-876		22
686	TiO2-graphene oxide nanocomposite as advanced photocatalytic materials. **2013**, 7, 41		183
685	Synthesis of graphene oxide-BiPO4 composites with enhanced photocatalytic properties. **2013**, 284, 308-314		35
684	Selective photoredox using graphene-based composite photocatalysts. *Physical Chemistry Chemical Physics*, **2013**, 15, 19102-18	3.6	273
683	A magnetically separable P25/CoFe2O4/graphene catalyst with enhanced adsorption capacity and visible-light-driven photocatalytic activity. **2013**, 3, 22490		35
682	Layer-by-layer assembly of graphene oxide and a Ru(II) complex and significant photocurrent generation properties. **2013**, 29, 14314-20		41
681	A novel “gel–sol” strategy to synthesize TiO2 nanorod combining reduced graphene oxide composites. **2013**, 107, 307-310		38
680	Chemically Modified Graphene Oxide-Wrapped Quasi-Micro Ag Decorated Silver Trimolybdate Nanowires for Photocatalytic Applications. *Journal of Physical Chemistry C*, **2013**, 117, 24023-24032	3.8	34
679	Enhanced photoelectrocatalytic performance of titanium dioxide/carbon cloth based photoelectrodes by graphene modification under visible-light irradiation. *Journal of Hazardous Materials*, **2013**, 263 Pt 2, 291-8	12.8	39
678	Fabrication and photocatalysis of TiO2-graphene sandwich nanosheets with smooth surface and controlled thickness. *Chemical Engineering Journal*, **2013**, 229, 569-576	14.7	33
677	Nanomaterial-Based Photocatalysts. **2013**, 469-493		3

676	Poly(vinyl alcohol)/poly(acrylic acid)/TiO2/graphene oxide nanocomposite hydrogels for pH-sensitive photocatalytic degradation of organic pollutants. **2013**, 178, 1097-1103		63
675	Advances in visible light responsive titanium oxide-based photocatalysts for CO2 conversion to hydrocarbon fuels. **2013**, 76, 194-214		235
674	Multifunctional nanostructured membrane for clean water reclamation from wastewater with various pH conditions. **2013**, 3, 15202		15
673	Assembly of Ag3PO4 nanocrystals on graphene-based nanosheets with enhanced photocatalytic performance. *Journal of Colloid and Interface Science*, **2013**, 405, 1-9	9.3	57
672	Immobilizing CdS quantum dots and dendritic Pt nanocrystals on thiolated graphene nanosheets toward highly efficient photocatalytic H2 evolution. **2013**, 5, 9830-8		95
671	Chemoselective reduction of graphene oxide and its application in nonvolatile organic transistor memory devices. **2013**, 3, 25788		15
670	Rapid and specific sensing of gallic acid with a photoelectrochemical platform based on polyaniline-reduced graphene oxide-TiO2. **2013**, 49, 7842-4		52
669	One-step growth of organic single-crystal p-n nano-heterojunctions with enhanced visible-light photocatalytic activity. **2013**, 49, 9200-2		35
668	Nanocomposite of graphene oxide with nitrogen-doped TiO2 exhibiting enhanced photocatalytic efficiency for hydrogen evolution. **2013**, 38, 2670-2677		99
667	Superhydrophilic graphene-loaded TiO2 thin film for self-cleaning applications. **2013**, 5, 207-12		187
666	Graphene facilitated visible light photodegradation of methylene blue over titanium dioxide photocatalysts. *Chemical Engineering Journal*, **2013**, 214, 298-303	14.7	160
665	One-step synthesis of Pt nanoparticles/reduced graphene oxide composite with enhanced electrochemical catalytic activity. **2013**, 56, 354-361		17
664	Graphene-Based Photocatalysts for Hydrogen Generation. **2013**, 4, 753-9		463
663	Photocatalytic mechanism of graphene/titanate nanotubes photocatalyst under visible-light irradiation. *Materials Chemistry and Physics*, **2013**, 138, 608-614	4.4	68
662	Synthesis of fullerene-, carbon nanotube-, and graphene-TiO nanocomposite photocatalysts for selective oxidation: a comparative study. **2013**, 5, 1156-64		307
661	Titanium dioxide graphene oxide composites with different ratios supported by Pyrex tube for photocatalysis of toxic aromatic vapors. **2013**, 250, 115-121		39
660	Carbon-deposited TiO2 3D inverse opal photocatalysts: visible-light photocatalytic activity and enhanced activity in a viscous solution. **2013**, 5, 12526-32		63
659	Liquid-phase plasma synthesis of silicon quantum dots embedded in carbon matrix for lithium battery anodes. *Materials Research Bulletin*, **2013**, 48, 4072-4077	5.1	17

658	P25/graphene nanocomposites as a high-performance anode material for lithium ion batteries. *Materials Chemistry and Physics*, **2013**, 141, 153-159	4.4	5
657	Plasmon-enhanced photocurrent monitoring of the interaction between porphyrin covalently bonded to graphene oxide and adenosine nucleotides. **2013**, 3, 3503		11
656	An In Situ Simultaneous Reduction-Hydrolysis Technique for Fabrication of TiO2-Graphene 2D Sandwich-Like Hybrid Nanosheets: Graphene-Promoted Selectivity of Photocatalytic-Driven Hydrogenation and Coupling of CO2 into Methane and Ethane. **2013**, 23, 1743-1749		318
655	Photocatalytic properties of graphdiyne and graphene modified TiO₂ from theory to experiment. *ACS Nano*, **2013**, 7, 1504-12	16.7	373
654	Graphene oxide–iron complex: synthesis, characterization and visible-light-driven photocatalysis. **2013**, 1, 644-650		46
653	Graphene and its derivatives for the development of solar cells, photoelectrochemical, and photocatalytic applications. **2013**, 6, 1362		324
652	Graphene oxide supported Au-Ag alloy nanoparticles with different shapes and their high catalytic activities. **2013**, 24, 125301		42
651	Bionic radical generation and antioxidant capacity sensing with photocatalytic graphene oxide-titanium dioxide composites under visible light. **2013**, 138, 2335-42		12
650	Graphene-based materials: fabrication, characterization and application for the decontamination of wastewater and wastegas and hydrogen storage/generation. **2013**, 195-196, 19-40		265
649	Fabrication of graphene oxide decorated with Au–Ag alloy nanoparticles and its superior catalytic performance for the reduction of 4-nitrophenol. **2013**, 1, 7384		109
648	Dye-sensitization-induced visible-light reduction of graphene oxide for the enhanced TiO2 photocatalytic performance. **2013**, 5, 2924-9		132
647	Roles of graphene oxide in photocatalytic water splitting. **2013**, 16, 78-84		279
646	Graphene oxide coupled AgBr nanosheets: an efficient dual-functional visible-light-responsive nanophotocatalyst with enhanced performance. **2013**, 1, 2827		32
645	Theoretical insights into photoinduced charge transfer and catalysis at oxide interfaces. **2013**, 113, 4496-565		392
644	Versatile Graphene-Promoting Photocatalytic Performance of Semiconductors: Basic Principles, Synthesis, Solar Energy Conversion, and Environmental Applications. **2013**, 23, 4996-5008		309
643	Enhanced decoloration activity by Cu2O@TiO2 nanobelts heterostructures via a strong adsorption-weak photodegradation process. **2013**, 282, 84-91		41
642	Controllable O2– oxidization graphene in TiO2/graphene composite and its effect on photocatalytic hydrogen evolution. **2013**, 38, 13110-13116		19
641	Recent progress in the preparation and application of semiconductor/graphene composite photocatalysts. **2013**, 34, 621-640		52

640	Synthesis of uniform CdS nanospheres/graphene hybrid nanocomposites and their application as visible light photocatalyst for selective reduction of nitro organics in water. **2013**, 5, 4309-19		209
639	Low-temperature synthesis of stable nanoTiO2–rGO composite colloids and their application in photoelectric films. **2013**, 3, 8559		7
638	A brief review of graphene–metal oxide composites synthesis and applications in photocatalysis. **2013**, 1, 21-39		118
637	Ag/AgBr/TiO2/RGO nanocomposite for visible-light photocatalytic degradation of penicillin G. **2013**, 1, 4718		171
636	A facile one-pot synthesis of copper sulfide-decorated reduced graphene oxide composites for enhanced detecting of H2O2 in biological environments. **2013**, 85, 8095-101		235
635	Preparation of CuS-graphene oxide/TiO2 composites designed for high photonic effect and photocatalytic activity under visible light. **2013**, 34, 711-717		35
634	Hydrothermal preparation of P25–graphene composite with enhanced adsorption and photocatalytic degradation of dyes. *Chemical Engineering Journal*, **2013**, 219, 486-491	14.7	75
633	Preparation of graphene/TiO2 composites by nonionic surfactant strategy and their simulated sunlight and visible light photocatalytic activity towards representative aqueous POPs degradation. *Journal of Hazardous Materials*, **2013**, 250-251, 19-28	12.8	86
632	One-pot synthesis of In2S3 nanosheets/graphene composites with enhanced visible-light photocatalytic activity. **2013**, 129, 80-88		127
631	Long-lived charge separated states in nanostructured semiconductor photoelectrodes for the production of solar fuels. **2013**, 42, 2281-93		260
630	Synthesis of Reduced Graphene Oxide for Helianthine Removal. **2013**, 864-867, 1713-1716		
629	Graphene Wrapped TiO2 Based Catalysts with Enhanced Photocatalytic Activity. **2014**, 1, 1300150		59
628	Graphene–Titania Hybrid Photoanodes by Supersonic Kinetic Spraying for Solar Water Splitting. **2014**, 97, 3660-3668		9
627	Preparation of graphite nanosheets/TiO2 composites and photocatalytic performance. **2014**,		
626	In situ synthesis of hierarchical In2S3–graphene nanocomposite photocatalyst for selective oxidation. **2014**, 4, 64484-64493		24
625	Microwave fabrication of Cu2ZnSnS4 nanoparticle and its visible light photocatalytic properties. **2014**, 9, 477		16
624	Self-assembly of different graphene-modified morphologies of TiO2: nanoparticle, nanorod and nanowire for bisphenol-A photodecomposition. **2014**, 9, 370-375		2
623	Highly efficient magnetically separable TiO2–graphene oxide supported SrFe12O19 for direct sunlight-driven photoactivity. *Chemical Engineering Journal*, **2014**, 235, 264-274	14.7	27

622	Photocatalysts with internal electric fields. **2014**, 6, 24-42		542
621	Graphene oxideBiOBr composite material as highly efficient photocatalyst for degradation of methylene blue and rhodamine-B dyes. **2014**, 1, 17-26		85
620	Improving Energy Conversion Efficiency of Dye-Sensitized Solar Cells by Modifying TiO2 Photoanodes with Nitrogen-Reduced Graphene Oxide. **2014**, 2, 1234-1240		50
619	Highly-dispersed boron-doped graphene nanoribbons with enhanced conductibility and photocatalysis. **2014**, 50, 6637-40		80
618	A layer-by-layer assembled graphene/zinc sulfide/polypyrrole thin-film electrode via electrophoretic deposition for solar cells. **2014**, 552, 204-211		71
617	Influence of colloidal graphene oxide on photocatalytic activity of nanocrystalline TiO2 in gas-phase ethanol and benzene oxidation. **2014**, 148-149, 543-549		31
616	Enhanced photo-electrocatalytic performance of Pt/RGO/TiO2 on carbon fiber towards methanol oxidation in alkaline media. **2014**, 18, 515-522		39
615	A universal strategy to prepare functional porous graphene hybrid architectures. **2014**, 26, 3681-7		152
614	Depositing of CuS nanocrystals upon the graphene scaffold and their photocatalytic activities. **2014** , 303, 54-60		55
613	Evaluating the sensitizing effect on the photocatalytic decoloration of dyes using anatase-TiO2. **2014**, 148-149, 250-257		61
612	Single step electrochemical fabrication of highly loaded palladium nanoparticles decorated chemically reduced graphene oxide and its electrocatalytic applications. **2014**, 452, 39-45		16
611	Self-assembly of graphene oxide at interfaces. **2014**, 26, 5586-612		273
610	One-pot synthesis of ordered mesoporous silver nanoparticle/carbon composites for catalytic reduction of 4-nitrophenol. *Journal of Colloid and Interface Science*, **2014**, 423, 54-9	9.3	71
609	Photocatalytic activities of heterostructured TiO2-graphene porous microspheres prepared by ultrasonic spray pyrolysis. **2014**, 584, 180-184		37
608	Self-assembled encapsulation of graphene oxide/Ag@AgCl as a Z-scheme photocatalytic system for pollutant removal. **2014**, 2, 1294-1301		95
607	Potential gradient and photocatalytic activity of an ultrathin p-n junction surface prepared with two-dimensional semiconducting nanocrystals. **2014**, 136, 1872-8		145
606	Impact of process parameters on removal of Congo red by graphene oxide from aqueous solution. **2014**, 2, 260-272		52
605	Efficient Self-Assembly Synthesis of Uniform CdS Spherical Nanoparticles-Au Nanoparticles Hybrids with Enhanced Photoactivity. **2014**, 24, 3725-3733		195

604	Graphene oxide/□Bi(2)O(3) composites for visible-light photocatalysis, chemical catalysis, and solar energy conversion. **2014**, 7, 854-65		38
603	A possible mechanism for the emergence of an additional band gap due to a Ti□O□ bond in the TiO2□graphene hybrid system for enhanced photodegradation of methylene blue under visible light. **2014**, 4, 59890-59901		113
602	N-doped graphene quantum dots-functionalized titanium dioxide nanofibers and their highly efficient photocurrent response. **2014**, 29, 1408-1416		18
601	Carbon-deposited TiO2 nanoparticle balls for high-performance visible photocatalysis. **2014**, 4, 55371-55376		3
600	Surface charge promotes the synthesis of large, flat structured graphene□(CdS nanowire)□TiO2 nanocomposites as versatile visible light photocatalysts. **2014**, 2, 430-440		106
599	Ultrathin g-C3N4/TiO2 composites as photoelectrochemical elements for the real-time evaluation of global antioxidant capacity. **2014**, 5, 3946-3951		122
598	Bi2Sn2O7□TiO2 nanocomposites for enhancing visible light photocatalytic activity. **2014**, 4, 49900-49907		17
597	Hierarchical composites of TiO2 nanowire arrays on reduced graphene oxide nanosheets with enhanced photocatalytic hydrogen evolution performance. **2014**, 2, 4366-4374		103
596	SERS performance of graphene oxide decorated silver nanoparticle/titania nanotube array. **2014**, 4, 41734-41743		43
595	A bio-inspired inner-motile photocatalyst film: a magnetically actuated artificial cilia photocatalyst. **2014**, 6, 5516-25		37
594	Synthesis of NiSe2/reduced graphene oxide crystalline materials and their efficient electrocatalytic activity in dye-sensitized solar cells. **2014**, 4, 50312-50317		26
593	Ce-/S-codoped TiO2/Sulfonated graphene for photocatalytic degradation of organic dyes. **2014**, 2, 13565-13570		26
592	Photocurrent Generation and Conductivity Relaxation in Reduced Graphene Oxide Cd0.75Zn0.25S Nanocomposite and Its Photocatalytic Activity. *Journal of Physical Chemistry C*, **2014**, 118, 28283-28290	3.8	38
591	Enhanced photocatalytic capability of SiO2/CQD nanocomposites. **2014**, 16, 1		3
590	A novel high-photoactivity quaternary ZnSn(OH)6□graphene composite evolved from a 3D multilayer structure via a facile and green proton-mediated self-assembly method. **2014**, 2, 7802		18
589	DFT study of anatase-derived TiO2 nanosheets/graphene hybrid materials. **2014**, 251, 1471-1479		23
588	Preparation of ZnS-Graphene/TiO2 Composites Designed for Their High Photonic Effect and Photocatalytic Activity Under Visible Light. **2014**, 22, 630-642		12
587	Hierarchical assembly of BiOCl nanosheets onto bicrystalline TiO2 nanofiber: enhanced photocatalytic activity based on photoinduced interfacial charge transfer. *Journal of Colloid and Interface Science*, **2014**, 435, 26-33	9.3	33

586	Tuned n/n or n/p heterojunctions for reduced graphene oxide and titania nanosheets and their electrochemical properties. *Materials Chemistry and Physics*, **2014**, 148, 803-809	4.4	9
585	Manganese Oxides Supported on TiO2 Graphene Nanocomposite Catalysts for Selective Catalytic Reduction of NOX with NH3 at Low Temperature. **2014**, 53, 11601-11610		55
584	Synthesis of reduced graphene oxide TiO 2 nanoparticle composite systems and its application in hydrogen production. **2014**, 39, 16282-16292		87
583	Graphene oxide wrapped Ag3PO4 sub-microparticles with highly enhanced photocatalytic activity and stability under visible light irradiation. *Materials Research Bulletin*, **2014**, 59, 192-198	5.1	15
582	Chemically bonded TiO2-bronze nanosheet/reduced graphene oxide hybrid for high-power lithium ion batteries. *ACS Nano*, **2014**, 8, 1491-9	16.7	254
581	Photocatalytic self-cleaning properties of cotton fabrics functionalized with p-BiOI/n-TiO2 heterojunction. **2014**, 258, 672-676		30
580	Self-assembly of nitrogen-doped TiO2 with exposed {001} facets on a graphene scaffold as photo-active hybrid nanostructures for reduction of carbon dioxide to methane. **2014**, 7, 1528-1547		206
579	Dye-Sensitized NiSx Catalyst Decorated on Graphene for Highly Efficient Reduction of Water to Hydrogen under Visible Light Irradiation. **2014**, 4, 2763-2769		151
578	Enhanced photovoltaic effect of ruthenium complex-modified graphene oxide with P-type conductivity. *Materials Chemistry and Physics*, **2014**, 147, 1140-1145	4.4	7
577	Probing the optical property and electronic structure of TiO2 nanomaterials for renewable energy applications. **2014**, 114, 9662-707		368
576	SERS-fluorescence monitored drug release of a redox-responsive nanocarrier based on graphene oxide in tumor cells. **2014**, 6, 17526-33		63
575	Engineered photoelectrochemical platform for rational global antioxidant capacity evaluation based on ultrasensitive sulfonated graphene-TiO2 nanohybrid. **2014**, 86, 10171-8		63
574	Tuning TiO2 nanoparticle morphology in graphene-TiO2 hybrids by graphene surface modification. **2014**, 6, 6710-9		51
573	Ternary polyaniline graphene TiO2 hybrid with enhanced activity for visible-light photo-electrocatalytic water oxidation. **2014**, 2, 1068-1075		60
572	Photocatalytic reduction of carbon dioxide to methanol and formic acid by graphene-TiO2. **2014**, 64, 578-85		32
571	RhB Adsorption Performance of Magnetic Adsorbent Fe3O4/RGO Composite and Its Regeneration through A Fenton-like Reaction. **2014**, 6, 125-135		92
570	Synthesis of BiVO4 nanosheets-graphene composites toward improved visible light photoactivity. **2014**, 23, 564-574		28
569	Photogenerated carriers transfer in dye-graphene-SnO2 composites for highly efficient visible-light photocatalysis. **2014**, 6, 613-21		111

568	Graphene□BODIPY as a photocatalyst in the photocatalytic□biocatalytic coupled system for solar fuel production from CO2. **2014**, 2, 5068		71
567	Recent Progress in Two-Dimensional Oxide Photocatalysts for Water Splitting. **2014**, 5, 2533-42		161
566	Plasmon induced nano Au particle decorated over S,N-modified TiO(2) for exceptional photocatalytic hydrogen evolution under visible light. **2014**, 6, 839-46		79
565	Semiconductor heterojunction photocatalysts: design, construction, and photocatalytic performances. **2014**, 43, 5234-44		2515
564	Factors that affect the stability, type and morphology of Pickering emulsion stabilized by silver nanoparticles/graphene oxide nanocomposites. *Materials Research Bulletin*, **2014**, 60, 118-129	5.1	46
563	Sequential cation exchange generated superlattice nanowires forming multiple p-n heterojunctions. *ACS Nano*, **2014**, 8, 9422-6	16.7	29
562	Facile synthesis and enhanced visible-light photocatalytic activity of Ag□ nanocrystal-sensitized Ag□□□ nanorods. *Journal of Colloid and Interface Science*, **2014**, 422, 30-7	9.3	34
561	Uniformly distributed anatase TiO2 nanoparticles on graphene: Synthesis, characterization, and photocatalytic application. **2014**, 599, 10-18		64
560	Graphene oxide and Ag engulfed TiO2 nanotube arrays for enhanced electron mobility and visible-light-driven photocatalytic performance. **2014**, 2, 5315-5322		126
559	Significantly enhanced photocatalytic activities and charge separation mechanism of Pd-decorated ZnO-graphene oxide nanocomposites. **2014**, 6, 3623-9		113
558	Fast-growing field of magnetically recyclable nanocatalysts. **2014**, 114, 6949-85		608
557	Graphene supported plasmonic photocatalyst for hydrogen evolution in photocatalytic water splitting. **2014**, 25, 265701		52
556	Graphene oxide sheets involved in vertically aligned zinc oxide nanowires for visible light photoinactivation of bacteria. **2014**, 612, 380-385		62
555	Visible light driven photodegradation of quinoline over TiO2/graphene oxide nanocomposites. **2014**, 316, 174-181		43
554	The composite of nitrogen-doped anatase titania plates with exposed {001} facets/graphene nanosheets for enhanced visible-light photocatalytic activity. *Journal of Colloid and Interface Science*, **2014**, 430, 100-7	9.3	10
553	(Ga1□Znx)(N1□Ox)□GO composites with enhanced photocatalytic performance for visible-light driven water splitting. **2015**, 358, 57-62		11
552	Development of Light Energy Conversion Materials Using Two-Dimensional Inorganic Nanosheets. **2015**, 88, 1619-1628		29
551	Surface Functionalization of Graphene. **2015**, 25-65		8

550	Photokatalysatoren auf Graphenbasis f□ die Produktion von Solarbrennstoffen. **2015**, 127, 11508-11524		42
549	Graphene-Based Photocatalysts for Solar-Fuel Generation. **2015**, 54, 11350-66		604
548	. **2015**,		6
547	. **2015**,		12
546	Preparation and Characterization of Mesoporous Sulfated TiO2-Graphene Oxide Composites. **2015**, 815, 241-247		1
545	Template-assisted synthesis of hollow TiO2@rGO core□shell structural nanospheres with enhanced photocatalytic activity. **2015**, 404-405, 178-185		28
544	Facile synthesis of CdS@TiO2 core□shell nanorods with controllable shell thickness and enhanced photocatalytic activity under visible light irradiation. **2015**, 349, 279-286		88
543	A three-dimensional graphene-TiO2 nanotube nanocomposite with exceptional photocatalytic activity for dye degradation. **2015**, 351, 303-308		50
542	Construction of Mn0.5Zn0.5Fe2O4 modified TiO2 nanotube array nanocomposite electrodes and their photoelectrocatalytic performance in the degradation of 2,4-DCP. **2015**, 3, 6025-6034		38
541	Facile synthesis of functionalized graphene-palladium nanoparticle incorporated multicomponent TiO2 composite nanofibers. *Materials Chemistry and Physics*, **2015**, 154, 125-136	4.4	25
540	Microwave synthesis of a CoSe2/graphene□TiO2 heterostructure for improved hydrogen evolution from aqueous solutions in the presence of sacrificial agents. **2015**, 5, 18841-18849		22
539	ZnS-CdS/graphene oxide heterostructures prepared by a light irradiation-assisted method for effective photocatalytic hydrogen generation. *Journal of Colloid and Interface Science*, **2015**, 446, 150-4	9.3	26
538	Preparation and characterizations of BiVO□/reduced graphene oxide nanocomposites with higher visible light reduction activities. *Journal of Colloid and Interface Science*, **2015**, 445, 330-336	9.3	42
537	De-Colorization Activity Enhancement of Degussa P25 TiO2via the Formation of p-n Heterojunction by Carboxylic Modification. **2015**, 162, H93-H101		2
536	rGO quantum dots/ZnO hybrid nanofibers fabricated using electrospun polymer templates and applications in drug screening involving an intracellular HO sensor. **2015**, 3, 2651-2659		33
535	Graphene Derivatives in Photocatalysis. **2015**, 249-276		0
534	Composites of rutile TiO2 nanorods loaded on graphene oxide nanosheet with enhanced electrochemical performance. **2015**, 156, 274-282		52
533	A green method to prepare TiO2/MWCNT nanocomposites with high photocatalytic activity and insights into the effect of heat treatment on photocatalytic activity. **2015**, 5, 13430-13436		19

532	Super hydrophilic TiO2/HNT nanocomposites as a new approach for fabrication of high performance thin film nanocomposite membranes for FO application. **2015**, 371, 104-114		92
531	Construction of magnetically separable Ag3PO4/Fe3O4/GO composites as recyclable photocatalysts. **2015**, 41, 13509-13515		22
530	Synthesis and Development of Graphene-Inorganic Semiconductor Nanocomposites. **2015**, 115, 8294-343		199
529	Catalytic Reduction of NOX Over TiO2Graphene Oxide Supported with MnOX at Low Temperature. **2015**, 145, 1446-1456		26
528	Graphene oxide nanosheets as an effective template for the synthesis of porous TiO2 film in dye-sensitized solar cells. **2015**, 358, 175-180		32
527	Hydrothermal synthesis of FeWO4-graphene composites and their photocatalytic activities under visible light. **2015**, 351, 474-479		51
526	Graphene oxide nanoparticle attachment and its toxicity on living lung epithelial cells. **2015**, 5, 59447-59457		6
525	Investigation of structure and photocatalytic activity on TiO2 hybridized with graphene: compared to CNT case. **2015**, 5, 64414-64420		8
524	Realizing nanosized interfacial contact via constructing BiVO4/Bi4V2O11 element-copied heterojunction nanofibres for superior photocatalytic properties. **2015**, 179, 54-60		76
523	The enhanced photoactivity of hydrogenated TiO2@reduced graphene oxide with p junctions. **2015**, 5, 26328-26334		14
522	Fabrication of quantum-sized CdS-coated TiO 2 nanotube array with efficient photoelectrochemical performance using modified successive ionic layer absorption and reaction (SILAR) method. **2015**, 60, 1281-1286		27
521	Noble metal free naphthylbisimide/TiO2/graphene: an efficient H2 evolution photocatalyst. *New Journal of Chemistry*, **2015**, 39, 6925-6934	3.6	6
520	Photochemical Processes Involving Graphene Oxide. **2015**, 51, 1-29		8
519	Photocatalytic activities of ultra-small FeOOH and TiO 2 heterojunction structure under simulated solar irradiation. *Materials Research Bulletin*, **2015**, 68, 133-141	5.1	33
518	Sorption of radionuclides from aqueous systems onto graphene oxide-based materials: a review. **2015**, 2, 593-612		137
517	Synthesis of a flower-like CuS/ZnS nanocomposite decorated on reduced graphene oxide and its photocatalytic performance. **2015**, 5, 36185-36191		23
516	Fabrication of Bi2Sn2O7-ZnO heterostructures with enhanced photocatalytic activity. **2015**, 5, 27576-27583		27
515	Ultra-thin SiC layer covered graphene nanosheets as advanced photocatalysts for hydrogen evolution. **2015**, 3, 10999-11005		65

514	Environmental applications of graphene-based nanomaterials. **2015**, 44, 5861-96		1022
513	Facile synthesis of ZnO□ nanocomposites with enhanced photocatalytic activity. *New Journal of Chemistry*, **2015**, 39, 1852-1857	3.6	29
512	Enhanced photocatalytic activity of graphene oxide/titania nanosheets composites for methylene blue degradation. **2015**, 30, 592-598		38
511	Role of the crystallite phase of TiO2 in graphene/TiO2 photocatalysis. **2015**, 26, 3357-3363		15
510	Preparation of TiOxNy/TiN composites for photocatalytic hydrogen evolution under visible light. *Physical Chemistry Chemical Physics*, **2015**, 17, 28782-8	3.6	9
509	Plasmon Enhanced Photovoltaic Performance in TiO2-Graphene Oxide Composite Based Dye-Sensitized Solar Cells. **2015**, 4, M64-M68		5
508	Synthesis of reduced graphene oxide□copper tin sulphide composites and their photoconductivity enhancement for photovoltaic applications. **2015**, 50, 8029-8037		10
507	Rapid thermal reduced graphene oxide/Pt□TiO2 nanotube arrays for enhanced visible-light-driven photocatalytic reduction of CO2. **2015**, 358, 122-129		102
506	Electronic and Optical Properties of Low-Dimensional TiO2: From Minority Surfaces to Nanocomposites. **2015**, 47-80		1
505	A cationic azobenzene-surfactant-modified graphene hybrid: unique photoresponse and electrochemical behavior. **2015**, 7, 19673-86		29
504	Enhanced visible light photocatalytic H2 production activity of g-C3N4 via carbon fiber. **2015**, 358, 287-295		86
503	The interactions between TiO2 and graphene with surface inhomogeneity determined using density functional theory. *Physical Chemistry Chemical Physics*, **2015**, 17, 29734-46	3.6	29
502	Enhanced visible light photocatalytic activity and hydrogen evolution through novel heterostructure Ag□G□TiO2 nanocomposites. **2015**, 410, 242-252		8
501	Eco-friendly one-pot synthesis of ultradispersed TiO2 nanocrystals/graphene nanocomposites with high photocatalytic activity for dye degradation. **2015**, 3, 19913-19919		34
500	Heteroatom doped graphene in photocatalysis: A review. **2015**, 358, 2-14		239
499	Synthesis of GO supported Fe2O3-TiO2 nanocomposites for enhanced visible-light photocatalytic applications. **2015**, 44, 16024-35		30
498	Biomimic modification of graphene oxide. *New Journal of Chemistry*, **2015**, 39, 8172-8178	3.6	28
497	Enhanced Photoelectrochemical Performance of Coaxial-Nanocoupled Strontium-Rich SrTiO3/TiO2 {001} Nanotube Arrays. **2015**, 54, 8193-8200		18

496	Modulation of electromagnetic wave absorption by carbon shell thickness in carbon encapsulated magnetite nanospindles/poly(vinylidene fluoride) composites. *Carbon*, **2015**, 95, 870-878	10.4	158
495	Waltzing with the Versatile Platform of Graphene to Synthesize Composite Photocatalysts. **2015**, 115, 10307-77		903
494	A sol–gel derived, copper-doped, titanium dioxide–reduced graphene oxide nanocomposite electrode for the photoelectrocatalytic reduction of CO2 to methanol and formic acid. **2015**, 5, 77803-77813		37
493	Preparation and photocatalytic properties of a visible light responsive and magnetically separated photocatalyst of Fe2O3/SiO2/GSs/TiO2. **2015**, 10, 267-271		4
492	Constructing ternary CdS/reduced graphene oxide/TiO2 nanotube arrays hybrids for enhanced visible-light-driven photoelectrochemical and photocatalytic activity. **2015**, 168-169, 105-113		33
491	Synergistic effect of PtSe2 and graphene sheets supported by TiO2 as cocatalysts synthesized via microwave techniques for improved photocatalytic activity. **2015**, 5, 184-198		36
490	Covalently functionalized TiO2 with ionic liquid: A high-performance catalyst for photoelectrochemical water oxidation. **2015**, 166-167, 270-276		28
489	Evidence of additional excitation energy transfer pathways in the phycobiliprotein antenna system of Acaryochloris marina. **2015**, 14, 429-38		8
488	Enhanced photocatalytic activities of net-like hematite nanoparticle/graphene oxide composite. **2015**, 3, 1421-1426		12
487	Low temperature one-step synthesis of rutile TiO 2 /BiOCl composites with enhanced photocatalytic activity. **2015**, 99, 8-16		58
486	Solvothermal synthesis of MnFe2O4-graphene composite—Investigation of its adsorption and antimicrobial properties. **2015**, 327, 27-36		120
485	Photocatalytic degradation of estradiol under simulated solar light and assessment of estrogenic activity. **2015**, 162, 437-444		48
484	Photocatalytic degradation of tetrabromobisphenol A by a magnetically separable graphene–TiO2 composite photocatalyst: Mechanism and intermediates analysis. *Chemical Engineering Journal*, **2015**, 264, 113-124	14.7	126
483	Highly-dispersed boron-doped graphene nanosheets loaded with TiO2 nanoparticles for enhancing CO2 photoreduction. **2014**, 4, 6341		126
482	One-step in situ synthesis of graphene–TiO2 nanorod hybrid composites with enhanced photocatalytic activity. *Materials Research Bulletin*, **2015**, 61, 280-286	5.1	30
481	Enhanced photocatalytic activity and stability of Z-scheme Ag2CrO4-GO composite photocatalysts for organic pollutant degradation. **2015**, 164, 380-388		426
480	The Application of Graphene and Its Derivatives to Energy Conversion, Storage, and Environmental and Biosensing Devices. **2016**, 16, 1591-634		48
479	Significant photoelectric conversion properties of multilayer films formed by a cationic zinc phthalocyanine complex and graphene oxide. **2016**, 6, 67017-67024		4

478	Gold Nanoparticle–Polydopamine–Reduced Graphene Oxide Ternary Nanocomposite as an Efficient Catalyst for Selective Oxidation of Benzylic C(sp3)–H Bonds Under Mild Conditions. **2016**, 8, 1825-1835		38
477	Advanced Fabrication of Chemically Bonded Graphene/TiO Continuous Fibers with Enhanced Broadband Photocatalytic Properties and Involved Mechanisms Exploration. **2016**, 6, 38066		65
476	Probing the charge recombination in rGO decorated mixed phase (anatase-rutile) TiO2 multi-leg nanotubes. **2016**, 6, 115010		14
475	Pressure-sensitive adhesive composites with a hydrophobic form of graphene oxide for enhanced thermal conductivity. **2016**, 24, 1070-1076		11
474	Graphene Quantum Dot - Titania Nanoparticle Composite for Photocatalytic Water Splitting. **2016**, 1, 2071-2077		5
473	Nitrogen-doped luminescent carbon nanodots for optimal photo-generation of hydroxyl radicals and visible-light expanded photo-catalysis. **2016**, 65, 176-182		31
472	Enhanced Photo-Electrochemical Performance of Reduced Graphene-Oxide Wrapped TiO2Multi-Leg Nanotubes. **2016**, 163, H652-H656		12
471	Low temperature synthesis of graphene hybridized surface defective hierarchical core–shell structured ZnO hollow microspheres with long-term stable and enhanced photoelectrochemical activity. **2016**, 6, 36058-36068		19
470	Carbonaceous layer interfaced TiO2/RGO hybrids with enhanced visible-light photocatalytic performance. **2016**, 6, 40304-40311		3
469	Nitrogen-doped graphene nanosheets as reactive water purification membranes. **2016**, 9, 1983-1993		67
468	Convenient architectures of Cu2O/SnO2 type II p–n heterojunctions and their application in visible light catalytic degradation of rhodamine B. **2016**, 6, 43672-43684		37
467	Antibacterial applications of graphene-based nanomaterials: Recent achievements and challenges. **2016**, 105, 176-189		314
466	TiO2/Graphene Composites with Excellent Performance in Photocatalysis. *Nanostructure Science and Technology*, **2016**, 23-67	0.9	4
465	A New Complementary Catalyst and Catalytic Mechanism: Ag2MoO4/Ag/AgBr/GO Heterostructure. **2016**, 55, 9873-9879		44
464	In Situ Decorated Optimized CeO2 on Reduced Graphene Oxide with Enhanced Adsorptivity and Visible Light Photocatalytic Stability and Reusability. *Journal of Physical Chemistry C*, **2016**, 120, 22281-22290	3.8	59
463	Study on photocatalytic performance of cerium–graphene oxide–titanium dioxide composite film for formaldehyde removal. **2016**, 213, 3157-3164		17
462	Functionalized-Graphene Composites: Fabrication and Applications in Sustainable Energy and Environment. **2016**, 28, 8082-8118		151
461	Insight into the Origin of Boosted Photosensitive Efficiency of Graphene from the Cooperative Experiment and Theory Study. *Journal of Physical Chemistry C*, **2016**, 120, 27091-27103	3.8	34

460	Exfoliation of graphite into graphene in aqueous solution: an application as graphene/TiO2 nanocomposite to improve visible light photocatalytic activity. **2016**, 6, 93048-93055		22
459	Synthesis and improved dye-sensitized solar cells performance of TiO2 nanowires/nanospheres composites. **2016**, 27, 12591-12598		2
458	The photocatalytic activity of graphene oxide/Ag3PO4 nano-composite: Loading effect. **2016**, 127, 10746-10757		24
457	Au@Co0.4S core–shell nanoparticles: synthesis, characterization and evaluation of photocatalytic activity. **2016**, 3, 095004		
456	Embedding Metal in the Interface of a p-n Heterojunction with a Stack Design for Superior Z-Scheme Photocatalytic Hydrogen Evolution. **2016**, 8, 23133-42		170
455	Rapid water disinfection using vertically aligned MoS nanofilms and visible light. **2016**, 11, 1098-1104		514
454	Tailoring Graphene Nanosheets for Highly Improved Dispersion Stability and Quantitative Assessment in Nonaqueous Solvent. **2016**, 8, 21595-602		14
453	Fabrication, Characterization and Response Surface Method (RSM) Optimization for Tetracycline Photodegration by BiWO- graphene oxide (BWO-GO). **2016**, 6, 37466		18
452	Visible Light-Induced Photoeletrochemical and Antimicrobial Properties of Hierarchical CuBi2O4 by Facile Hydrothermal Synthesis. *ChemistrySelect*, **2016**, 1, 1518-1524	1.8	24
451	In-situ growth of Ag3VO4 nanoparticles onto BiOCl nanosheet to form a heterojunction photocatalyst with enhanced performance under visible light irradiation. **2016**, 688, 1-7		40
450	Reduced Graphene Oxide as a Metal-Free Catalyst for the Light-Assisted Fenton-Like Reaction. **2016**, 8, 2642-2648		35
449	High-efficiency new visible light-driven Ag2MoO4/Ag3PO4 composite photocatalyst towards degradation of industrial dyes. **2016**, 6, 8449-8463		49
448	An in situ porous cuprous oxide/nitrogen-rich graphitic carbon nanocomposite derived from a metal–organic framework for visible light driven hydrogen evolution. **2016**, 4, 18037-18042		22
447	Graphene in Photocatalysis: A Review. **2016**, 12, 6640-6696		605
446	Characterization of the chemical interaction between single-walled carbon nanotubes and titanium dioxide nanoparticles by thermogravimetric analyses and resonance Raman spectroscopy. **2016**, 86, 103-108		12
445	Thermophysical and Electrophysical Properties of Composite Films Based on Modied Multi-Walled Carbon Nanotubes and Multilayered Graphene. **2016**, 321-326		2
444	Rational design of manganese ferrite-graphene hybrid photocatalysts: Efficient water splitting and effective elimination of organic pollutants. **2016**, 524, 182-191		41
443	Synergetic adsorption and photocatalytic degradation of pollutants over 3D TiO2-graphene aerogel composites synthesized via a facile one-pot route. **2016**, 15, 1012-9		41

442	A review of one-dimensional TiO2 nanostructured materials for environmental and energy applications. **2016**, 4, 6772-6801		655
441	Electrospinning of C-doped ZnO nanofibers with high visible-light photocatalytic activity. **2016**, 78, 99-109		10
440	A photoelectrochemical methanol fuel cell based on aligned TiO2 nanorods decorated graphene photoanode. **2016**, 52, 2533-6		31
439	Preparation of Au/reduced graphene oxide/hydrogenated TiO2 nanotube arrays ternary composites for visible-light-driven photoelectrochemical water splitting. **2016**, 661, 380-388		44
438	High-rate and long-life of Li-ion batteries using reduced graphene oxide/Co3O4 as anode materials. **2016**, 6, 24320-24330		18
437	Preparation and characterization of low fouling novel hybrid ultrafiltration membranes based on the blends of GO□TiO2 nanocomposite and polysulfone for humic acid removal. **2016**, 506, 38-49		153
436	Controlled doping of graphene using ZnO substrates. *Physica E: Low-Dimensional Systems and Nanostructures*, **2016**, 80, 115-119	3	3
435	A solar light driven dual photoelectrode photocatalytic fuel cell (PFC) for simultaneous wastewater treatment and electricity generation. *Journal of Hazardous Materials*, **2016**, 311, 51-62	12.8	83
434	Eco-Friendly Synthesis of Graphene Oxide Reinforced Hydroxypropyl Methylcellulose/Polyvinyl Alcohol Blend Nanocomposites Filled with Zinc Oxide Nanoparticles for High-k Capacitor Applications. **2016**, 55, 1240-1253		60
433	Green Preparation of Epoxy/Graphene Oxide Nanocomposites Using a Glycidylamine Epoxy Resin as the Surface Modifier and Phase Transfer Agent of Graphene Oxide. **2016**, 8, 1854-66		84
432	Advanced nanoarchitectures of carbon aerogels for multifunctional environmental applications. **2016**, 5,		27
431	Synthesis, modification, and photo/photoelectrocatalytic degradation applications of TiO2 nanotube arrays: a review. **2016**, 5,		95
430	CNTs threaded (001) exposed TiO2 with high activity in photocatalytic NO oxidation. **2016**, 8, 2899-907		45
429	Synthesis of TiO2□Reduced Graphene Oxide Nanocomposites for Efficient Adsorption and Photodegradation of Herbicides. **2016**, 227, 1		9
428	Enhanced Photocatalysis of Graphene and TiO2 Dual-Coupled Carbon Nanofibers Post-treated at Various Temperatures. **2016**, 55, 45-53		13
427	Studies on removal of Pb(II) and Cr(III) using graphene oxide based inverse spinel nickel ferrite nano-composite as sorbent. **2016**, 165, 64-72		114
426	Fabrication of flower-like Ag@AgCl/Bi 2 WO 6 photocatalyst and its mechanism of photocatalytic degradation. **2016**, 489, 275-281		21
425	Organosilane sulfonated graphene oxide in the Biginelli and Biginelli-like reactions. *New Journal of Chemistry*, **2016**, 40, 512-520	3.6	38

424	Mesoporous TiO2 nanoparticles terminated with carbonate-like groups: Amorphous/crystalline structure and visible-light photocatalytic activity. **2016**, 264, 243-249	28
423	Synthesis of TiO2/rGO Nanocomposites with Enhanced Photoelectrochemical Performance and Photocatalytic Activity. **2016**, 11, 1650007	7
422	Aggregation of TiO2-graphene nanocomposites in aqueous environment: Influence of environmental factors and UV irradiation. **2016**, 539, 196-205	30
421	TiO2/graphene composite photocatalysts for NOx removal: A comparison of surfactant-stabilized graphene and reduced graphene oxide. **2016**, 180, 637-647	165
420	Photocatalytic degradation of acetic acid in the presence of visible light-active TiO2-reduced graphene oxide photocatalysts. **2017**, 280, 108-113	34
419	Fabrication of TiO 2 nanorod assembly grafted rGO (rGO@TiO 2 -NR) hybridized flake-like photocatalyst. **2017**, 391, 218-227	65
418	One-pot ionic liquid-assisted strategy for GO/BiOI hybrids with superior visible-driven photocatalysis and mechanism research. **2017**, 32, 131-139	6
417	Human-Finger Electronics Based on Opposing Humidity-Resistance Responses in Carbon Nanofilms. **2017**, 13, 1603486	32
416	Photoelectric properties of graphene oxide–ZnO composite nanosheets vertically grown on substrate. **2017**, 699, 468-478	9
415	Novel fungal hyphae/Fe3O4 and N-TiO2/NG composite for adsorption and photocatalysis. **2017**, 7, 6842-6848	6
414	Synthesis and characterization of TiO2/graphene oxide nanocomposite. **2017**, 28, 7892-7898	22
413	Environmental applications of titania-graphene photocatalysts. **2017**, 285, 13-28	81
412	Fabrication and assembly of two-dimensional TiO2/WO3·H2O heterostructures with type II band alignment for enhanced photocatalytic performance. **2017**, 403, 564-571	23
411	Heterojunction Photocatalysts. **2017**, 29, 1601694	2003
410	Reduced graphene oxide/TiO 2 nanotube composites for formic acid photodegradation. **2017**, 209, 203-213	77
409	Facile fabrication of RGO-WO3 composites for effective visible light photocatalytic degradation of sulfamethoxazole. **2017**, 207, 93-102	169
408	Acid-base block copolymer brushes grafted graphene oxide to enhance proton conduction of polymer electrolyte membrane. **2017**, 531, 47-58	34
407	Size-controlled synthesis and morphology evolution of Nd 2 O 3 nano-powders using ionic liquid surfactant templates. **2017**, 712, 164-171	15

406	A biomass carbon mass coated with modified TiO2 nanotube/graphene for photocatalysis. *New Journal of Chemistry*, **2017**, 41, 4212-4219	3.6	9
405	Combining the converse humidity/resistance response behaviors of rGO films for flexible logic devices. **2017**, 5, 3848-3854		13
404	Synthesis and Characterization of Graphene Oxide-Polystyrene Composite Capsules with Aqueous Cargo via a Water-Oil-Water Multiple Emulsion Templating Route. **2017**, 9, 18187-18198		26
403	Study of different 3-aminopropyl triethoxysilane (APTES) concentration on TiO2 particles based IDE for cervical cancer detection. **2017**,		1
402	Enhanced photoactivity and conductivity in transparent TiO2 nanocrystals/graphene hybrid anodes. **2017**, 5, 9307-9315		16
401	Hydrothermal synthesis of reduced graphene oxide-CoFe2O4 heteroarchitecture for high visible light photocatalytic activity: Exploration of efficiency, stability and mechanistic pathways. **2017**, 5, 3243-3255		23
400	Photochemical fabrication of SnO 2 dense layers on reduced graphene oxide sheets for application in photocatalytic degradation of p -Nitrophenol. **2017**, 215, 8-17		61
399	Synthesis of a ternary Ag/RGO/ZnO nanocomposite via microwave irradiation and its application for the degradation of Rhodamine B under visible light. *Environmental Science and Pollution Research*, **2017**, 24, 15360-15368	5.1	15
398	A cuboidal [NiO] cluster as a precursor for recyclable, carbon-supported nickel nanoparticle reduction catalysts. **2017**, 46, 7154-7158		13
397	. **2017**, 29, 1191-1194		7
396	Dispersedly embedded loading of SnO 2 nanoparticles onto graphene nanosheets for highly efficient removal of organic dyes. **2017**, 11, 026009		4
395	Surfactant-assisted hydrothermal synthesis of TiO2/reduced graphene oxide nanocomposites and their photocatalytic performances. **2017**, 253, 113-120		34
394	Fabrication of efficient TiO2-RGO heterojunction composites for hydrogen generation via water-splitting: Comparison between RGO, Au and Pt reduction sites. **2017**, 423, 185-196		62
393	Influence of reduced graphene oxide on the synergism between rutile and anatase TiO 2 particles in photocatalytic degradation of formic acid. **2017**, 432, 125-130		20
392	Enhanced photocatalytic performance of TiO2 nanotube based heterojunction photocatalyst via the coupling of graphene and FTO. **2017**, 413, 7-15		31
391	Surface plasmon resonance-induced visible-light photocatalytic performance of silver/silver molybdate composites. **2017**, 38, 260-269		27
390	Introduction. **2017**, 1-17		
389	Facile synthesis of carbon-ZnO nanocomposite with enhanced visible light photocatalytic performance. **2017**, 400, 461-470		49

388	Wettability effects of graphene oxide aqueous solution in photodetectors based on graphene oxide/silicon heterojunctions via ultraviolet ozone treatment. **2017**, 698, 384-389		9
387	Field emission of graphene oxide decorated ZnO nanorods grown on Fe alloy substrates. **2017**, 729, 538-544		14
386	Tetrahedral Silver Phosphate/Graphene Oxide Hybrids as Highly Efficient Visible Light Photocatalysts with Excellent Cyclic Stability. *Journal of Physical Chemistry C*, **2017**, 121, 25172-25179	3.8	23
385	Enhanced photocatalytic degradation of methylene blue: Preparation of TiO2/reduced graphene oxide nanocomposites by direct sol-gel and hydrothermal methods. *Materials Research Bulletin*, **2017**, 95, 578-587	5.1	56
384	Exfoliated graphite/titanium dioxide for enhanced photoelectrochemical degradation of methylene blue dye under simulated visible light irradiation. **2017**, 803, 157-164		17
383	Recyclable, bifunctional composites of perovskite type N-CaTiO3 and reduced graphene oxide as an efficient adsorptive photocatalyst for environmental remediation. **2017**, 1, 2391-2404		89
382	In situ decoration of plasmonic Au nanoparticles on graphene quantum dots-graphitic carbon nitride hybrid and evaluation of its visible light photocatalytic performance. **2017**, 28, 395703		43
381	Rapid Photocatalytic Decolorization of Methyl Orange under Visible Light Using VS4/Carbon Powder Nanocomposites. **2017**, 5, 7690-7699		66
380	Preparation of an antibacterial, hydrophilic and photocatalytically active polyacrylic coating using TiO nanoparticles sensitized by graphene oxide. **2017**, 80, 642-651		43
379	Face-to-Face Interfacial Assembly of Ultrathin g-CN and Anatase TiO Nanosheets for Enhanced Solar Photocatalytic Activity. **2017**, 9, 28674-28684		116
378	Facilitated photoinduced electron storage and two-electron reduction of oxygen by reduced graphene oxide in rGO/TiO2/WO3 composites. **2017**, 250, 108-116		23
377	Photoelectrochemical amperometric sensing of cyanide using a glassy carbon electrode modified with graphene oxide and titanium dioxide nanoparticles. **2017**, 184, 3581-3590		13
376	Near-infrared driven photocatalytic performance of lanthanide-doped NaYF4@CdS core-shell nanostructures with enhanced upconversion properties. **2017**, 724, 481-491		40
375	Influence from defects of three-dimensional graphene network on photocatalytic performance of composite photocatalyst. **2017**, 150, 54-64		29
374	Facile and controllable fabrication of multifunctional nanohybrid films composed of reduced graphene oxide and titanium dioxide through layer-by-layer assembly. **2017**, 636, 359-366		1
373	Cube-like CoSn(OH)6 nanostructure for sensitive electrochemical detection of H2O2 in human serum sample. *Sensors and Actuators B: Chemical*, **2017**, 241, 528-533	8.5	39
372	Photocatalytic Properties of Graphdiyne and Graphene Modified TiO2: From Theory to Experiment. *Springer Theses*, **2017**, 93-110	0.1	2
371	Pebax 1657/Graphene oxide composite membranes for improved water vapor separation. **2017**, 525, 187-194		70

370	Enhancing photoactivity for hydrogen generation by electron tunneling via flip-flop hopping over iodinated graphitic carbon nitride. **2017**, 204, 33-42	48
369	Recent Progress on Visible Light Responsive Heterojunctions for Photocatalytic Applications. **2017**, 33, 1-22	146
368	Effect of TiO2/reduced graphene oxide composite thin film as a blocking layer on the efficiency of dye-sensitized solar cells. **2017**, 21, 891-903	28
367	N, S co-doped graphene quantum dots-graphene-TiO2 nanotubes composite with enhanced photocatalytic activity. **2017**, 691, 369-377	144
366	Electrospun titania nanofibers segregated by graphene oxide for improved visible light photocatalysis. **2017**, 201, 470-478	145
365	Facile synthesis of CNTs/CaIn 2 S 4 composites with enhanced visible-light photocatalytic performance. **2017**, 391, 565-571	38
364	Synthesis of flower-like Ag2O/BiOCOOH p-n heterojunction with enhanced visible light photocatalytic activity. **2017**, 397, 95-103	73
363	One-dimensional TiO Nanotube Photocatalysts for Solar Water Splitting. **2017**, 4, 1600152	295
362	Preparation of silver/silver bromide/titanium dioxide/graphene oxide nanocomposite for photocatalytic degradation of 4-chlorophenol. **2017**, 7, 184798041772404	6
361	Synthesis of (hbox {Ag}_{2}hbox {Se})@graphene(hbox {TiO}_{2}) nanocomposite and analysis of photocatalytic activity of (hbox {CO}_{2}) reduction to (hbox {CH}_{3}hbox {OH}). **2017**, 40, 1319-1328	7
360	Anisotropic Nanoparticles Contributing to Shear-Thickening Behavior of Fumed Silica Suspensions. **2017**, 2, 8877-8887	8
359	The physicochemical properties and capacitive functionality of pyrrolic- and pyridinic-nitrogen, and boron-doped reduced graphene oxide. **2017**, 258, 467-476	10
358	Synthesis of Ag3PO4/RGO/Bi2WO6 Composites with Highly Efficient Photocatalytic Activity: Efficient Visible-Light Driven All-Solid-State Z-Scheme Photocatalyst. **2017**, 12, 1750149	9
357	Visible-Light-Active TiO2-Based Hybrid Nanocatalysts for Environmental Applications. **2017**, 7, 100	72
356	Novel Synthesis of Plasmonic Ag/AgCl@TiO2 Continues Fibers with Enhanced Broadband Photocatalytic Performance. **2017**, 7, 117	24
355	Efficiency of Polymeric Membrane Graphene Oxide-TiO2for Removal of Azo Dye. **2017**, 2017, 1-13	23
354	One-Pot Solid-State Reaction Approach to Synthesize Ag-Cu2O/GO Ternary Nanocomposites with Enhanced Visible-Light-Responsive Photocatalytic Activity. **2017**, 2017, 1-8	3
353	Graphene/Porous Beta TiO2 Nanocomposites Prepared Through a Simple Hydrothermal Method. **2017**, 1,	3

352	Two-dimensional carbon-based nanocomposites for photocatalytic energy generation and environmental remediation applications. **2017**, 8, 1571-1600		94
351	Photoredox catalysis over graphene aerogel-supported composites. **2018**, 6, 4590-4604		149
350	Enhanced visible light-driven activity of TiO2 nanotube array photoanode co-sensitized by Green AgInS2 photosensitizer and In2S3 buffer layer. **2018**, 269, 429-440		36
349	In-situ synthesis of visible-light responsive Ag2O/graphene oxide nanocomposites and effect of graphene oxide content on its photocatalytic activity. **2018**, 1, 374-388		24
348	Graphene oxide-FePO4 nanocomposite: Synthesis, characterization and photocatalytic properties as a Fenton-like catalyst. **2018**, 44, 7240-7244		17
347	Coherent Bi2O3-TiO2 hetero-junction material through oriented growth as an efficient photo-catalyst for methyl orange degradation. **2018**, 8, 36-41		4
346	Co3O4 nanosheet-built hollow spheres containing ultrafine neck-connected grains templated by PS@Co-LDH and their ppb-level gas-sensing performance. *Sensors and Actuators B: Chemical*, **2018**, 261, 553-565	8.5	30
345	Facile synthesis of C-decorated Fe, N co-doped TiO2 with enhanced visible-light photocatalytic activity by a novel co-precursor method. **2018**, 39, 747-759		26
344	Enhanced TiO nanorods photocatalysts with partially reduced graphene oxide for degrading aqueous hazardous pollutants. *Environmental Science and Pollution Research*, **2018**, 25, 17553-17564	5.1	6
343	Enhanced Photochemical/Electrochemical Performance of Graphene Benefited from Morphological Change as Substrate of Typical Composites. **2018**, 5, 1800035		2
342	Controllable CO-responsiveness of O/W emulsions by varying the alkane carbon number of a tertiary amine. *Physical Chemistry Chemical Physics*, **2018**, 20, 11285-11295	3.6	16
341	MoSe2 modified TiO2 nanotube arrays with superior photoelectrochemical performance. **2018**, 5, 045014		4
340	Synthesis of Nb doped TiO2 nanotube/reduced graphene oxide heterostructure photocatalyst with high visible light photocatalytic activity. **2018**, 440, 804-813		38
339	Evidencing opposite charge-transfer processes at TiO2/graphene-related materials interface through a combined EPR, photoluminescence and photocatalysis assessment. **2018**, 315, 19-30		25
338	Repercussion of Solid state vs. Liquid state synthesized p-n heterojunction RGO-copper phosphate on proton reduction potential in water. **2018**, 8, 2881		11
337	The Myth of Visible Light Photocatalysis Using Lanthanide Upconversion Materials. **2018**, 52, 2973-2980		34
336	Efficient photocatalysis with graphene oxide/Ag/AgS-TiO nanocomposites under visible light irradiation.. **2018**, 8, 5784-5791		25
335	High Efficient Cu2O/TiO2 Nanocomposite Photocatalyst to Degrade Organic Polluant under Visible Light Irradiation. *ChemistrySelect*, **2018**, 3, 1682-1687	1.8	16

334	Surface and Interface Engineering in Ag2S@MoS2 Core‐Shell Nanowire Heterojunctions for Enhanced Visible Photocatalytic Hydrogen Production. **2018**, 10, 2107-2114		39
333	Green synthesis of mesoporous flower-like TiO2/graphite nanosheets (TGNS) prepared by high-pressure homogenization (HPH). *New Journal of Chemistry*, **2018**, 42, 1779-1786	3.6	1
332	Visible active N-doped TiO2/reduced graphene oxide for the degradation of tetracycline hydrochloride. **2018**, 691, 408-414		33
331	Novel synthesis of WSe-Graphene-TiO ternary nanocomposite via ultrasonic technics for high photocatalytic reduction of CO into CHOH. **2018**, 42, 738-746		30
330	Innovations upon antioxidant capacity evaluation for cosmetics: A photoelectrochemical sensor exploitation based on N-doped graphene/TiO2 nanocomposite. *Sensors and Actuators B: Chemical*, **2018**, 259, 963-971	8.5	23
329	P25/Black phosphorus/Graphene hybrid for enhanced photocatalytic activity. **2018**, 29, 4441-4448		0
328	Enhanced photodegradation of sulfamethoxazole by a novel WO 3 -CNT composite under visible light irradiation. **2018**, 754, 153-162		50
327	Intensifying internal electric field for efficient charge separation in different dimensions photocatalysts via in-situ crystallization. **2018**, 224, 96-99		3
326	A composite thin film of simultaneously formed carbon and SnO2 QDs for supercapacitor application. *New Journal of Chemistry*, **2018**, 42, 8823-8830	3.6	4
325	Increasing Effectiveness of Photogenerated Carriers by in Situ Anchoring of Cu2O Nanoparticles on a Nitrogen-Doped Porous Carbon Yolk‐Shell Cuboctahedral Framework. **2018**, 8, 3348-3356		75
324	Bismuth oxide nanoparticles decorated Graphene layers for the degradation of Methylene blue dye under visible light irradiations and antimicrobial activities. **2018**, 6, 3745-3756		20
323	TiO2-Graphene-Based Composites: Synthesis, Characterization, and Application in Photocatalysis of Organic Pollutants. **2018**, 95-122		1
322	High flux and fouling resistant flat sheet polyethersulfone membranes incorporated with graphene oxide for ultrafiltration applications. *Chemical Engineering Journal*, **2018**, 334, 789-799	14.7	134
321	Antibacterial properties of TiO modified with reduced graphene oxide. **2018**, 147, 788-793		62
320	Degradation of norfloxacin by CoFe2O4-GO composite coupled with peroxymonosulfate: A comparative study and mechanistic consideration. *Chemical Engineering Journal*, **2018**, 334, 273-284	14.7	206
319	Synthesis of butterfly-like BiVO 4 /RGO nanocomposites and their photocatalytic activities. **2018**, 26, 667-674		12
318	Graphene-based heterojunction photocatalysts. **2018**, 430, 53-107		293
317	Recent developments of graphene-TiO2 composite nanomaterials as efficient photoelectrodes in dye-sensitized solar cells: A review. **2018**, 82, 103-125		94

316	Fabrication of RuO-AgPO heterostructure nanocomposites: Investigations of band alignment on the enhanced visible light photocatalytic activity. *Journal of Hazardous Materials*, **2018**, 344, 865-874	12.8	29
315	Bandgap engineering and charge separation in two-dimensional GaS-based van der Waals heterostructures for photocatalytic water splitting. **2018**, 439, 374-379		22
314	Nitrogen-doped carbon dot-modified Ag3PO4/GO photocatalyst with excellent visible-light-driven photocatalytic performance and mechanism insight. **2018**, 8, 632-641		36
313	An investigation of GO-SnO2-TiO2 ternary nanocomposite for the detection of acetone in diabetes mellitus patients breath. **2018**, 449, 677-684		38
312	One-pot, facile fabrication of a Ag3PO4-based ternary Z-scheme photocatalyst with excellent visible-light photoactivity and anti-photocorrosion performance. **2018**, 436, 90-101		31
311	Improving the humidity sensing below 30% RH of TiO2 with GO modification. *Materials Research Bulletin*, **2018**, 99, 124-131	5.1	22
310	Fabrication of lithium ion imprinted hybrid membranes with antifouling performance for selective recovery of lithium. *New Journal of Chemistry*, **2018**, 42, 118-128	3.6	24
309	Synthesis, characterization and photocatalytic application of TiO2/magnetic graphene for efficient photodegradation of crystal violet. **2018**, 32, e3985		11
308	Photocatalytic Hydrogen Evolution via Water Splitting: A Short Review. **2018**, 8, 655		29
307	Rapid Sterilization and Accelerated Wound Healing Using Zn2+ and Graphene Oxide Modified g-C3N4 under Dual Light Irradiation. **2018**, 28, 1800299		173
306	Recent Progress in Constructing Plasmonic Metal/Semiconductor Hetero-Nanostructures for Improved Photocatalysis. **2018**, 8, 634		13
305	Laminated, Composite and Sandwich Membranes Based on Graphene-Oxide with Nano-Textiles. **2018**, 09,		1
304	Immobilization Impact of Photocatalysts onto Graphene Oxide. **2018**,		0
303	A simple ultrasonic-synthetic route of Cu2Se-graphene-TiO2 ternary composites for carbon dioxide conversion processes. **2018**, 26, 827-836		9
302	A Simple Route in Fabricating Carbon-Modified Titania Films with Glucose and Their Visible-Light-Responsive Photocatalytic Activity. **2018**, 8, 178		2
301	Construction of Novel CdS/SnNb2O6 Heterojunctions with Enhanced Photocatalytic Degradation Activity Under Visible Light. **2018**, 2018, 4812-4818		3
300	Acetic acid functionalized TiO2/kaolinite composite photocatalysts with enhanced photocatalytic performance through regulating interfacial charge transfer. **2018**, 367, 126-138		34
299	Surfactant/organic solvent free single-step engineering of hybrid graphene-Pt/TiO nanostructure: Efficient photocatalytic system for the treatment of wastewater coming from textile industries. **2018**, 8, 14656		11

298	Influence of carbon source on the anatase and brookite mixed phase of the C-doped TiO2 nanoparticles and their photocatalytic activity. **2018**, 86, 12-18	15
297	Graphene-Based Light Sensing: Fabrication, Characterisation, Physical Properties and Performance. **2018**, 11,	26
296	Enhanced Gas-Sensing Performance of GO/TiO Composite by Photocatalysis. **2018**, 18,	19
295	Graphene-Modified TiO2 with Enhanced Visible Light Photocatalytic Activities. **2018**, 107-131	
294	Transparent and Hydrophobic Reduced Graphene Oxide Titanium Dioxide Nanocomposites for Nonwetting Device Applications. **2018**, 1, 5691-5701	11
293	Selective adsorption and decomposition of pollutants using RGO-TiO with optimized surface functional groups.. **2018**, 8, 31996-32002	11
292	Assessment of the Suitability of the One-Step Hydrothermal Method for Preparation of Non-Covalently/Covalently-Bonded TiO/Graphene-Based Hybrids. **2018**, 8,	8
291	The use of graphite/TiO2 nanocomposite additive for preparation of polyacrylic based visible-light induced antibacterial and self-cleaning coating. **2018**, 44, 6219-6237	6
290	Heterojunction of graphene and titanium dioxide nanotube composites for enhancing photocatalytic activity. **2018**, 51, 265304	8
289	An Iron Oxychloride/Reduced Graphene Oxide Heterojunction with Enhanced Catalytic Performance as a Photo-Fenton Catalyst. **2018**, 2018, 3080-3087	11
288	In situ one pot synthesis of nanoscale TiO2-anchored reduced graphene oxide (RGO) for improved photodegradation of 5-fluorouracil drug. **2018**, 29, 16553-16564	14
287	Preparation of RGO-P25 Nanocomposites for the Photocatalytic Degradation of Ammonia in Livestock Farms. **2018**, 8, 189	8
286	An Effective Utilization of Solar Energy: Enhanced Photodegradation Efficiency of TiO2/Graphene-Based Composite. **2018**, 11, 630	3
285	Graphene Modified TiO Composite Photocatalysts: Mechanism, Progress and Perspective. **2018**, 8,	95
284	A cake making strategy to prepare reduced graphene oxide wrapped plant fiber sponges for high-efficiency solar steam generation. **2018**, 6, 14571-14576	57
283	Titanium dioxide nanostructures for photoelectrochemical applications. **2018**, 98, 299-385	148
282	Copper-Graphene Composite: Electrochemical Synthesis and Structural Characterization. **2018**, 333, 012002	2
281	Core-shell structured titanium dioxide nanomaterials for solar energy utilization. **2018**, 47, 8203-8237	180

280	Enhanced visible-light photoelectrochemical and photoelectrocatalytic activity of nano-TiO2/polyimide/Ni foam photoanode. **2018**, 44, 6401-6418		4
279	A graphene-based sensor for real time monitoring of sun exposure. *Carbon*, **2018**, 138, 215-218	10.4	6
278	Synthesis of N-Doped Graphene Oxide Quantum Dots with the Internal P-N Heterojunction and Its Photocatalytic Performance under Visible Light Illumination. **2018**, 21, 44-53		
277	Graphene-supported 2D transition metal oxide heterostructures. **2018**, 6, 13509-13537		69
276	Development of composite membranes with irregular rod-like structure via atom transfer radical polymerization for efficient oil-water emulsion separation. *Journal of Colloid and Interface Science*, **2019**, 533, 278-286	9.3	54
275	Origin of Charge Trapping in TiO/Reduced Graphene Oxide Photocatalytic Composites: Insights from Theory. **2019**, 11, 31909-31922		20
274	Advanced Photocatalysts Based on Reduced Nanographene Oxide-TiO Photonic Crystal Films. **2019** , 12,		7
273	Improved photocatalytic decomposition of methyl ethyl ketone gas from indoor air environment by using TiO2/graphene oxide. **2019**, 6, 105509		6
272	Piezo-promoted the generation of reactive oxygen species and the photodegradation of organic pollutants. **2019**, 258, 118024		55
271	Enhancing semiconductor photocatalysis with carbon nanostructures for water/air purification and self-cleaning applications. **2019**, 139-172		2
270	Energy-Dependent Z-Scheme via Metal-Interfacing Two-Dimensional p-Type and n-Type Semiconductor Layers for Efficient Optoelectronic Conversion. **2019**, 10, 4317-4322		2
269	Hydrothermal synthesis of C doped ZnO nanoparticles coupled with BiVO4 and their photocatalytic performance under the visible light irradiation. **2019**, 494, 771-782		18
268	TiO2 Nanomaterials for Enhanced Photocatalysis. **2019**, 135-165		2
267	Photocatalytic degradation of ethylene by TiO2 nanotubes/ reduced graphene oxide prepared by gamma irradiation. **2019**, 165, 108371		5
266	Electromigration with enhanced green emission in the titanium dioxide nanotube/graphene composite. **2019**, 19, 1082-1087		
265	The effective role of reduced-graphene oxide in visible light photocatalytic activity of wide band gap SrTiO3 semiconductor. *Separation and Purification Technology*, **2019**, 228, 115771	8.3	28
264	Enhanced performance of Ag3PO4/Fe3O4/GO bifunctional catalysts on p-chlorophenol degradation in advanced catalytic oxidation systems. **2019**, 581, 123803		16
263	Indium Tin-Oxide Wrapped 3D rGO and TiO2 Composites: Development, Characterization, and Enhancing Photocatalytic Activity for Methylene Blue. **2019**, 9, 848		2

262	Electrophoretic deposition of ZnSnO3/MoS2 heterojunction photoanode with improved photoelectric response by low recombination rate. **2019**, 810, 151845		9
261	Recent Progress in the Graphene-Based Electrochemical Biosensors Development. **2019**, 181-232		
260	Construction of Heterogenous S-C-S MoS/SnS/r-GO Heterojunction for Efficient CO Photoreduction. **2019**, 58, 15590-15601		31
259	Synthesis of Novel High Flux Thin-Film Nanocomposite Nanofiltration Membranes Containing GOSiO2 via Interfacial Polymerization. **2019**, 58, 22324-22333		18
258	Graphene oxide dispersed in N-TiO2 nanoplatelets and their implication in wastewater remediation under visible light illumination: Photoelectrocatalytic and photocatalytic properties. **2019**, 7, 102884		10
257	Titanium DioxideGrapheneolyaniline Hybrid for Nonenzymatic Detection of Glucose. **2019**, 14, 1950093		7
256	2D/3D interface engineering: direct Z-scheme g-C3N4/YMnO3 heterojunction for reinforced visible-light photocatalytic oxidation. **2019**, 30, 17601-17611		12
255	Nitrogen doping in coexposed (001)-(101) anatase TiO surfaces: a DFT study. *Physical Chemistry Chemical Physics*, **2019**, 21, 21497-21505	3.6	23
254	Applicability of BaTiO/graphene oxide (GO) composite for enhanced photodegradation of methylene blue (MB) in synthetic wastewater under UV-vis irradiation. **2019**, 255, 113182		54
253	Nanoengineered nickel/reduced graphene oxide composites: Control of interfacial nanostructure for tunable electrophysical properties. **2019**, 498, 143781		1
252	Synthesis of GO/TiO2/Bi2WO6 nanocomposites with enhanced visible light photocatalytic degradation of ethylene. **2019**, 246, 303-311		104
251	Photocatalytic H2 generation from aqueous ammonia solution using TiO2 nanowires-intercalated reduced graphene oxide composite membrane under low power UV light. **2019**, 2, 303-311		18
250	Faceted TiO photocatalytic degradation of anthraquinone in aquatic solution under solar irradiation. **2019**, 688, 592-599		18
249	TiO2 @ RGO (reduced graphene oxide) doped nanoparticles demonstrated improved photocatalytic activity. **2019**, 6, 086215		37
248	Boosting exciton dissociation and molecular oxygen activation by in-plane grafting nitrogen-doped carbon nanosheets to graphitic carbon nitride for enhanced photocatalytic performance. *Journal of Colloid and Interface Science*, **2019**, 553, 59-70	9.3	15
247	Reduced graphene oxide modified titania photoanodes for fabrication of the efficient dye-sensitized solar cell. **2019**, 30, 12966-12980		3
246	Review on advances in photocatalytic water disinfection utilizing graphene and graphene derivatives-based nanocomposites. **2019**, 7, 103132		62
245	An Exfoliated Graphite-Bismuth Vanadate Composite Photoanode for the Photoelectrochemical Degradation of Acid Orange 7 Dye. **2019**, 10, 429-435		11

244	Revealing interfacial charge transfer in TiO2/reduced graphene oxide nanocomposite by surface-enhanced Raman scattering (SERS): Simultaneous a superior SERS-active substrate. **2019**, 487, 938-944		18
243	Antibacterial Properties of Graphene-Based Nanomaterials. **2019**, 9,		168
242	Synthesis of Isophthalic Acid/Aluminum Nitrate Thin Film Nanocomposite Membrane for Hard Water Softening. **2019**, 29, 2176-2185		20
241	Two dimensional InSe/C2N van der Waals heterojunction as enhanced visible-light-responsible photocatalyst for water splitting. **2019**, 485, 375-380		36
240	Exploration and evaluation of proton source-assisted photocatalyst for hydrogen generation. **2019**, 18, 1716-1726		16
239	Ultra-bright emission from Sr doped TiO nanoparticles through r-GO conjugation. **2019**, 6, 190100		9
238	Self-assembled free-standing graphene oxide hybrid films modified by silane functionalized TiO2 nanotubes to increase their final Young's modulus. *Materials Chemistry and Physics*, **2019**, 231, 114-120	4.4	2
237	Role of Heterojunction in Charge Carrier Separation in Coexposed Anatase (001)-(101) Surfaces. **2019**, 10, 2372-2377		33
236	A procession on photocatalyst for solar fuel production and waste treatment. **2019**, 94, 263-281		9
235	Development of a bio-inspired photo-recyclable feather carbon adsorbent towards removal of amoxicillin residue in aqueous solutions. *Chemical Engineering Journal*, **2019**, 373, 1380-1388	14.7	9
234	Tailored polymer nanocomposite membranes based on carbon, metal oxide and silicon nanomaterials: a review. **2019**, 7, 8723-8745		79
233	Preparation of a p-n heterojunction 2D BiOI nanosheet/1DBiPO4 nanorod composite electrode for enhanced visible light photoelectrocatalysis. **2019**, 40, 446-457		56
232	Advantaging Synergy Photocatalysis with Graphene-Related Carbon as a Counterpart Player of Titania. **2019**, 19, 1393-1406		7
231	Controllable CO-Responsiveness of an Oil-in-Water Emulsion by Varying the Number of Tertiary Amine Groups or the Position of the Hydroxyl Group of Tertiary Amine. **2019**, 123, 2558-2566		9
230	Probing the chemical interaction between different carbon allotropes oxides and titanium dioxide nanoparticles by Raman spectroscopy. **2019**, 723, 96-101		4
229	Photocatalytic reduction of carbon dioxide using graphene oxide wrapped TiO2 nanotubes. **2019**, 485, 48-55		38
228	Multifunctional photocatalytic coatings for construction materials. **2019**, 557-589		1
227	A highly stable metal–organic framework derived phosphorus doped carbon/Cu2O structure for efficient photocatalytic phenol degradation and hydrogen production. **2019**, 7, 6062-6079		33

226	Facile Fabrication of C-TiO Nanocomposites with Enhanced Photocatalytic Activity for Degradation of Tetracycline. **2019**, 4, 21063-21071		16
225	Water Remediation by G-/GO-Based Photocatalysts. **2019**,		
224	Fixation of Nitrogen to Ammonia with Photocatalytic on Petroleum Pitch-Based Graphene Oxide Supported Nickel/Nickel Oxide Composite Catalyst. *Journal of Physical Chemistry C*, **2019**, 123, 31119-31129	3.8	11
223	Recent advances in graphene based photoresponsive materials. **2019**, 29, 603-611		12
222	Photocatalytic activity of exfoliated graphite-TiO nanoparticle composites. **2019**, 11, 19301-19314		12
221	Effect of graphitization degree of electrospinning carbon fiber on catalytic oxidation of styrene and electrochemical properties. **2019**, 715, 299-309		8
220	Enhanced photocatalytic activity of TiO2/graphene by tailoring oxidation degrees of graphene oxide for gaseous mercury removal. **2019**, 36, 115-125		15
219	CQDS preluded carbon-incorporated 3D burger-like hybrid ZnO enhanced visible-light-driven photocatalytic activity and mechanism implication. **2019**, 369, 450-461		45
218	Impact of preparative pH conditions on the structure and morphology of Graphene oxide-CoFe2O4 composite: Exploration of adsorption isotherm models and photocatalysis. **2019**, 14, 175-183		11
217	Photoelectrocatalytic Reduction of Carbon Dioxide to Methanol Using CuFe2O4 Modified with Graphene Oxide under Visible Light Irradiation. **2019**, 58, 563-572		33
216	Recent Progress on Engineering Highly Efficient Porous Semiconductor Photocatalysts Derived from Metal-Organic Frameworks. **2019**, 11, 1		188
215	Fruitful fabrication of CDs on GO/g-C3N4 sheets layers: A carbon amalgamation for the remediation of carcinogenic pollutants. *Journal of Photochemistry and Photobiology A: Chemistry*, **2019**, 370, 94-104	4.7	19
214	Facile photo-ultrasonic assisted reduction for preparation of rGO/AgCO nanocomposites with enhanced photocatalytic oxidation activity for tetracycline. **2019**, 51, 166-177		21
213	Photoassisted CO2 Conversion to Fuels. **2019**, 11, 342-356		32
212	Enhanced Photocatalytic Simultaneous Removals of Cr(VI) and Bisphenol A over Co(II)-Modified TiO. **2019**, 35, 276-283		25
211	Effect of calcination temperature on the humidity sensitivity of TiO2/graphene oxide nanocomposites. **2019**, 89, 186-193		14
210	Modified Photocatalysts. **2019**, 65-82		
209	Recent advances in nano-photocatalysts for organic synthesis. *Arabian Journal of Chemistry*, **2019**, 12, 4550-4578	5.9	32

208	Review on various strategies for enhancing photocatalytic activity of graphene based nanocomposites for water purification. *Arabian Journal of Chemistry*, **2020**, 13, 3498-3520	5.9	198
207	Modern Age Waste Water Problems. **2020**,		3
206	TiO quantum dots loaded sulfonated graphene aerogel for effective adsorption-photocatalysis of PFOA. **2020**, 698, 134275		28
205	Review on the interface engineering in the carbonaceous titania for the improved photocatalytic hydrogen production. **2020**, 45, 7584-7615		24
204	Effective charge separation in rGO/NiWO4@Au photocatalyst for efficient CO2 reduction under visible light. **2020**, 81, 427-439		8
203	Preparation of TiO2/single layer graphene composite films via a novel interface-facilitated route. **2020**, 503, 144334		5
202	Nitrogen doped carbon quantum dots and GO modified WO nanosheets combination as an effective visible photo catalyst. *Journal of Hazardous Materials*, **2020**, 382, 121087	12.8	56
201	Polymeric carbon nitride modified polyacrylonitrile fabrics with efficient self-cleaning and water disinfection under visible light. *Chemical Engineering Journal*, **2020**, 391, 123506	14.7	17
200	Modulating the Charge-Transfer Step of a p-n Heterojunction with Nitrogen-Doped Carbon: A Promising Strategy To Improve Photocatalytic Performance. **2020**, 26, 921-926		12
199	Excellent photoelectrochemical activity of Bi2S3 nanorod/TiO2 nanoplate composites with dominant {001} facets. **2020**, 281, 121041		14
198	Graphene hybridized high energy faceted titanium dioxide for transparent self-cleaning coatings. **2020**, 348, 63-71		9
197	Synthesis of polyethersulfone (PES)/GO-SiO mixed matrix membranes for oily wastewater treatment. **2020**, 81, 1354-1364		16
196	TiO2/Diazonium/Graphene Oxide Composites: Synthesis and Visible-Light-Driven Photocatalytic Degradation of Methylene Blue. **2020**, 2020, 1-15		13
195	Direct Z-scheme photocatalytic overall water splitting on two dimensional MoSe2/SnS2 heterojunction. **2020**, 45, 2785-2793		23
194	Strain-tunable electronic and optical properties in two dimensional GaSe/g-C3N4 van der Waals heterojunction as photocatalyst for water splitting. *Physica E: Low-Dimensional Systems and Nanostructures*, **2020**, 118, 113896	3	11
193	Fabrication of porous TiO2-RGO hybrid aerogel for high-efficiency, visible-light photodegradation of dyes. **2020**, 819, 153033		19
192	Photothermal catalytic properties of layered titanium chalcogenide nanomaterials. **2020**, 49, 1032-1047		8
191	Facile synthesis of difunctional NiV LDH@ZIF-67 p-n junction: Serve as prominent photocatalyst for hydrogen evolution and supercapacitor electrode as well. **2020**, 162, 535-549		30

190	Novel TiO/GO/CuFeO nanocomposite: a magnetic, reusable and visible-light-driven photocatalyst for efficient photocatalytic removal of chlorinated pesticides from wastewater.. **2020**, 10, 34806-34814		25
189	Uncovering the origin of enhanced field emission properties of rGO-MnO heterostructures: a synergistic experimental and computational investigation.. **2020**, 10, 25988-25998		6
188	Photocatalytic degradation of microcystin-LR by modified TiO photocatalysis: A review. **2020**, 743, 140694		38
187	Bright and slip-proof engineered cementitious composites with visible light activated photo-catalysis property for pavement in tunnels. **2020**, 114, 103788		5
186	Effect of precursor concentration on the performance of UV photodetector using TiO2/reduced graphene oxide (rGO) nanocomposite. **2020**, 19, 103630		9
185	Recent advancements in g-CN-based photocatalysts for photocatalytic CO reduction: a mini review.. **2020**, 10, 29408-29418		30
184	Fabrication of Cr2S3-GO-TiO2 composite with high visible-light-driven photocatalytic activity on degradation of organic dyes. **2020**, 539, 110950		10
183	New Insights into The Photoactivity of Shape-Tailored BiVO Semiconductors via Photocatalytic Degradation Reactions and Classical Reduction Processes. **2020**, 25,		4
182	Graphene Oxide Hybridised TiO2 for Visible Light Photocatalytic Degradation of Phenol. **2020**, 12, 1420		6
181	Solar Energy Conversion in Communities. *Springer Proceedings in Energy*, **2020**,	0.2	1
180	High photoresponsivity and external quantum efficiency of ultraviolet photodetection by mechanically exfoliated planar multi-layered graphene oxide sheet prepared using modified Hummer's method and spin coating technique. **2020**, 10, 998-1009		1
179	Reduced Graphene Oxide Supported Molybdenum Oxide Hybrid Nanocomposites: High Performance Electrode Material for Supercapacitor and Photocatalytic Applications. **2020**, 20, 4035-4046		4
178	Insights in the Application of Stoichiometric and Non-Stoichiometric Titanium Oxides for the Design of Sensors for the Determination of Gases and VOCs (TiO and TiO vs. TiO). **2020**, 20,		35
177	Hollow Dodecahedral Structure of InO-InS Heterojunction Encapsulated by N-Doped C as an Excellent Visible-Light-Active Photocatalyst for Organic Transformation. **2020**, 59, 17650-17658		11
176	Rationale Design of pH-Responsive Core–Shell Nanoparticles: Polyoxometalate-Mediated Structural Reorganization. **2020**, 3, 11247-11253		4
175	In situ reorganization of Bi3O4Br nanosheet on the Bi24O31Br10 ribbon structure for superior visible-light photocatalytic capability. *Separation and Purification Technology*, **2020**, 247, 117007	8.3	21
174	Synthesis of Titanium Dioxide (TiO2)/Reduced Graphene Oxide (rGO) thin film composite by spray pyrolysis technique and its physical properties. **2020**, 116, 105140		12
173	Titania-based nanoheterostructured microspheres for prolonged visible-light-driven photocatalysis. **2020**, 31, 345207		3

172	Core-shell structured catalysts for thermocatalytic, photocatalytic, and electrocatalytic conversion of CO. **2020**, 49, 2937-3004		201
171	Visible-Light Degradation of Organic Dye Based on a Heterostructure Photocatalyst. **2020**, 63, 1157-1168		0
170	Photocatalytic TiO2/rGO/CuO Composite for Wastewater Treatment of Cr(VI) Under Visible Light. **2020**, 231, 1		7
169	Facile synthesis of rGO-supported AgI-TiO mesocrystals with enhanced visible light photocatalytic activity. **2020**, 31, 375701		3
168	Self-reduction derived nickel nanoparticles in CdS/Ni(OH) heterostructure for enhanced photocatalytic hydrogen evolution. **2020**, 152, 214701		7
167	One-Step Synthesis of b-N-TiO2/C Nanocomposites with High Visible Light Photocatalytic Activity to Degrade Microcystis aeruginosa. **2020**, 10, 579		4
166	Photocatalyst: mechanism, challenges, and strategy for organic contaminant degradation. **2020**, 127-149		2
165	Photocurrent amplification of graphene intercalation with titanium dioxide in photoelectrochemical devices. *Sensors and Actuators A: Physical*, **2020**, 305, 111906	3.9	
164	TiO2/carbon composite nanomaterials for photocatalysis. **2020**, 303-321		3
163	Nacre-Mimicking Titania/Graphene/Chitin Assemblies in Macroscopic Layered Membranes and Their Performance. **2020**, 49, 3791-3803		1
162	Visible light responsive superhydrophilic TiO2/reduced graphene oxide coating by vacuum-assisted filtration and transfer method for self-cleaning application. **2020**, 113, 105011		15
161	Multi-color Reversible Photochromisms via Tunable Light-Dependent Responses. **2020**, 2, 680-696		24
160	Morphology engineered spatial charge separation in superhydrophilic TiO2/graphene hybrids for hydrogen production. **2020**, 17, 100447		8
159	The effect of hybrid zinc oxide/graphene oxide (ZnO/GO) nano-catalysts on the photocatalytic degradation of simazine. *Chemosphere*, **2020**, 259, 127414	8.4	29
158	Room-Temperature Reduction of Graphene Oxide in Water by Metal Chloride Hydrates: A Cleaner Approach for the Preparation of Graphene@Metal Hybrids. **2020**, 10,		0
157	Photoelectric Properties of a Nanocomposite Derived from Reduced Graphene Oxide and TiO2. **2020**, 55, 398-406		3
156	Photocatalytic degradation of ethylene by TiO2 nanotubes/ reduced graphene oxide prepared by gamma irradiation. **2020**, 169, 108776		2
155	A simple sol–gel hydrothermal method for the synthesis of defective TiO2 nanocrystals with excellent visible-light photocatalytic activity. **2020**, 46, 2205-2214		5

154	Controllable synthesis of peapod-like TiO2@GO@C electrospun nanofiber membranes with enhanced mechanical properties and photocatalytic degradation abilities towards methylene blue. *New Journal of Chemistry*, **2020**, 44, 3755-3763	3.6	5
153	Carboxylic Acid Enriched Porous Organic Polymer as a Platform for Highly Efficient Removal of Methylene Blue from Aqueous Solution. **2020**, 221, 1900553		4
152	Fabrication of AgO/WO p-n heterojunction composite thin films by magnetron sputtering for visible light photocatalysis.. **2020**, 10, 16187-16195		5
151	Optical properties of various graphitic structures deposited by PECVD. **2020**, 52, 1		2
150	Investigation of physicochemical and electrical properties of (hbox {TiO}_{{2}}) nanotubes/graphene oxide nanocomposite. **2020**, 43, 1		1
149	Carbon membrane bridged ZnSe and TiO2 nanotube arrays: Fabrication and promising application in photoelectrochemical water splitting. **2020**, 45, 9635-9647		15
148	Facile fabrication of N-TiO2/Ag3PO4@GO nanocomposite toward photodegradation of organic dye under visible light. **2020**, 116, 107907		14
147	Optimization of system parameters and kinetic study of photocatalytic degradation of toxic acid blue 25 dye by Ag3PO4@RGO nanocomposite. **2020**, 22, 1		10
146	Graphene nanoplatelets with low defect density as a synergetic adsorbent and electron sink for ZnO in the photocatalytic degradation of Methylene Blue under UV□is irradiation. *Materials Research Bulletin*, **2020**, 128, 110876	5.1	29
145	Using 3-Isocyanatopropyltrimethoxysilane to Decorate Graphene Oxide with Nano-Titanium Dioxide for Enhancing the Anti-Corrosion Properties of Epoxy Coating. **2020**, 12,		29
144	The preparation and characterization of TiO/r-GO/Ag nanocomposites and its photocatalytic activity in formaldehyde degradation. **2021**, 42, 193-205		6
143	Effect mechanism of copper ions on photocatalytic activity of TiO/graphene oxide composites for phenol-4-sulfonic acid photodegradation. *Journal of Colloid and Interface Science*, **2021**, 586, 563-575	9.3	11
142	Enhanced electron□hole separation in SnS2/Au/g-C3N4 embedded structure for efficient CO2 photoreduction. *Chemical Engineering Journal*, **2021**, 406, 126776	14.7	26
141	A graphene oxide Cookbook: Exploring chemical and colloidal properties as a function of synthesis parameters. *Journal of Colloid and Interface Science*, **2021**, 588, 725-736	9.3	4
140	Novel ZnO tetrapod-reduced graphene oxide nanocomposites for enhanced photocatalytic degradation of phenolic compounds and MB dye. **2021**, 327, 114814		22
139	Semiconductor based photocatalysts for detoxification of emerging pharmaceutical pollutants from aquatic systems: A critical review. **2021**, 3, 25-46		24
138	Preparation of PEO-based Cu2O/Bi2O2CO3 electrospun fibrous membrane toward enhanced photocatalytic degradation of chloramphenicol. **2021**, 56, 4599-4614		4
137	Direct Z-scheme heterojunction of ZnO/MoS2 nanoarrays realized by flowing-induced piezoelectric field for enhanced sunlight photocatalytic performances. **2021**, 285, 119785		35

136	Improved photoelectrochemical properties of TiO nanotubes doped with Er and effects on hydrogen production from water splitting. *Chemosphere*, **2021**, 267, 129289	8.4	16
135	Langmuir-Blodgett based growth of rGO wrapped TiO2 nanostructures and their photocatalytic performance. **2021**, 609, 125652		3
134	Enhanced photocatalytic activity of ultrahigh-surface-area TiO2@C nanorod aggregates with hierarchical porosities synthesized from natural ilmenite. **2021**, 9, 104438		2
133	Competitive photocatalytic activity of ionic crystal decorated magnetic graphene oxide/cobalt monoxide nanocomposite: Comparison to its MWCNTs analogue. **2021**, 111, 108209		3
132	Surface-enhanced Raman Scattering on 2D Nanomaterials: Recent Developments and Applications **2021**, 39, 745-756		11
131	Recent advancements in MOF-based catalysts for applications in electrochemical and photoelectrochemical water splitting: A review. **2021**, 45, 1190-1226		60
130	Biosensors based on two-dimensional materials. **2021**, 245-312		
129	Computational discovery of PtS/GaSe van der Waals heterostructure for solar energy applications. *Physical Chemistry Chemical Physics*, **2021**, 23, 20163-20173	3.6	6
128	Fabrication and Response Surface Methodology for the Adsorption of Nickel Ferrite-Graphene Oxide Nanocomposite for the Removal of Methylene Blue from Water. **2021**, 2021, 1-16		4
127	Structural and electronic properties of TiO2 from first principles calculations. **2021**, 67-85		0
126	An overview: recent development of semiconductor/graphene nanocomposites for photodegradation of phenol and phenolic compounds in aqueous solution. **2021**, 9, 1-23		4
125	Graphene-based metal matrix nanocomposites: Recent development and challenges. **2021**, 55, 2369-2413		7
124	Progress in Photocatalytic Degradation of Organic Wastewater by Graphene Binary Composites. **2021**, 261, 02029		
123	Combination of Cu2O semiconductor with reduced graphene oxide nanocomposites for boosting photocatalytic performance in degradation of organic pollutant. **2021**, 603, 412736		3
122	Graphene composites in photocatalytic oxidation of aqueous organic contaminants A state of art. **2021**, 146, 136-160		9
121	Synthesis of Ag2O NbO3 heterojunction photocatalysts with enhanced visible-light-responsive photocatalytic performance for sulfamethoxazole degradation. **2021**, 112, 110742		5
120	Introducing Ag2O-Ag2CO3/rGO nanoadsorbents for enhancing photocatalytic degradation rate and efficiency of Congo red through surface adsorption. **2021**, 613, 126068		8
119	Antimicrobial Hybrid Coatings Combining Enhanced Biocidal Activity under Visible-Light Irradiation with Stimuli-Renewable Properties. **2021**, 13, 17183-17195		12

118	rGO Functionalized ZnO□TiO2 Core-Shell Flower-Like Architectures for Visible Light Photocatalysis. **2021**, 11, 332		3
117	MXene/Graphene Oxide Heterojunction as a Saturable Absorber for Passively Q-Switched Solid-State Pulse Lasers. **2021**, 11,		0
116	Enhanced photocatalytic activity and stability of TiO2/graphene oxide composites coatings by electrophoresis deposition. **2021**, 286, 129258		8
115	Synthesis, Structure, and Physical Properties of a Nanocomposite Based on Graphene Oxide and TiO2. **2021**, 95, 747-753		1
114	Synergic photocatalytic degradation of 2,4,6-trichlorophenol using magnetic multi-walled carbon nanotubes/cobalt monoxide/ionic crystal quaternary system. **2021**, 151, 109897		1
113	Structural, morphological, optical and photocatalytic properties of Ag decorated graphene oxide-TiO2 films. **2021**, 724, 138632		2
112	Pristine hexagonal CdS assembled with NiV LDH nanosheet formed p-n heterojunction for efficient photocatalytic hydrogen evolution. **2021**, 548, 149212		23
111	Heavy Metal Ions in Wastewater Affect the Photodegradation of Phenol-4-sulfonic Acid over Biphasic TiO2/Activated Carbon Fiber Composites. *ChemistrySelect*, **2021**, 6, 4336-4343	1.8	0
110	Functionalization of graphene oxide by using perylenediimide: An efficient visible-light driven sensitizer for photocatalytic reaction. **2021**, 116, 108404		2
109	Graphene-Based Hybrid Functional Materials. **2021**, 17, e2100514		8
108	Fabrication of Titanium Dioxide/Carbon Fiber (TiO2/CF) Composites for Removal of Methylene Blue (MB) from Aqueous Solution with Enhanced Photocatalytic Activity. **2021**, 2021, 1-11		3
107	Photocatalysis of dichlorvos using graphene oxide-TiOnanocomposite under visible irradiation: process optimization using response surface methodology. **2021**, 32,		1
106	Hydrothermal synthesis of nitrogen-doped graphene as lightweight and high-efficient electromagnetic wave absorbers. **2021**, 32, 26116		1
105	Cube Cu2O modified CoAL-LDH p-n heterojunction for photocatalytic hydrogen evolution.		2
104	Tailoring Defects in Photocatalysts by Engineering Solvent Interactions for Highly Active and Responsive Color Switching. **2021**, 9, 2101115		2
103	Enhanced photocatalytic activity of graphene/TiO2 nanotubes composites prepared by wet transfer method. 1-8		2
102	Controlled growth of TiO2 nanoparticles on graphene by hydrothermal method for visible-light photocatalysis. **2021**,		2
101	Construction of heterojuncted photocatalyst with TiO2 quantum dots and graphene oxide nanosheets for highly efficient photocatalysis. **2021**, 199, 113862		4

100	Constructing a novel metal-free g-C3N4/g-CN vdW heterostructure with enhanced visible-light-driven photocatalytic activity for water splitting. **2021**, 553, 149550		12
99	Direct Electrochemical Storage of Solar Energy in C-Rich Polymeric Carbon Nitride Cell. 2100111		1
98	Visible-Light-Driven Photocatalysis-Enhanced Nanozyme of TiO Nanotubes@MoS Nanoflowers for Efficient Wound Healing Infected with Multidrug-Resistant Bacteria. **2021**, 17, e2103348		16
97	Roles of Graphene Oxide in Heterogeneous Photocatalysis. **2021**, 1, 37-54		6
96	A ultrasensitive SERS-active tags for GSH-triggered released based on surface-enhanced Raman scattering. **2021**, 167, 106035		1
95	Preparation of N-TiO2/RGO nanocomposites through sol-gel method. **2021**, 38, 1913-1922		0
94	Rational Design of Semiconductor Heterojunctions for Photocatalysis. **2021**, 27, 13306-13317		11
93	Femtosecond transient absorption spectroscopic study on the electronic structures of graphene oxides, graphene oxide nanoribbons and graphene quantum dots. **2021**, 11, 3486		
92	A review of graphene-TiO and graphene-ZnO nanocomposite photocatalysts for wastewater treatment. **2021**, 93, 2414-2460		7
91	Bismuth-based photocatalyst for photocatalytic oxidation of flue gas mercury removal: A review. *Journal of Hazardous Materials*, **2021**, 418, 126280	12.8	27
90	Polymer Nanocomposite Films Based on Two-Dimensional Materials for Photocatalytic Applications. **2022**, 111-143		1
89	Carbon materials for extraction of uranium from seawater. *Chemosphere*, **2021**, 278, 130411	8.4	14
88	Graphene oxide decorated TiO2 and BiVO4 nanocatalysts for enhanced visible-light-driven photocatalytic bacterial inactivation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2021** , 418, 113374	4.7	2
87	Graphitic carbon nitride heterojunction photocatalysts for solar hydrogen production. **2021**,		5
86	Improve photocatalytic performance of ZnO through coordination of ZnO/ZnIn2S4 heterojunction and graphene oxide. **2021**, 136, 1		0
85	N,P-codoped carbon quantum dots-decorated TiO nanowires as nanosized heterojunction photocatalyst with improved photocatalytic performance for methyl blue degradation. *Environmental Science and Pollution Research*, **2021**, 1	5.1	1
84	Efficient photocathodic protection enabled by a multi-dimensional quaternary hybrid superstructure. *Chemical Engineering Journal*, **2021**, 421, 127858	14.7	4
83	Optimal preparation of catalytic Metal-organic framework derivatives and their efficient application in advanced oxidation processes. *Chemical Engineering Journal*, **2021**, 421, 127817	14.7	7

82	Highly selective detection of acetone by TiO2-SnO2 heterostructures for environmental biomarkers of diabetes. *Sensors and Actuators B: Chemical*, **2021**, 349, 130733	8.5	5
81	Photocatalytic fuel cell A review. *Chemical Engineering Journal*, **2022**, 428, 131074	14.7	9
80	Effect of graphene oxide on the energy level alignment and photocatalytic performance of Engelhard Titanosilicate-10. *Materials Chemistry and Physics*, **2022**, 275, 125198	4.4	0
79	BiO(OH)I solid solution with rich oxygen vacancies: interlayer guest hydroxyl for improved photocatalytic properties. *Journal of Colloid and Interface Science*, **2022**, 605, 1-12	9.3	2
78	Efficient solar photocatalytic hydrogen production using direct Z-scheme heterojunctions. *Physical Chemistry Chemical Physics*, **2021**, 23, 22743-22749	3.6	2
77	Carbon-based heterogeneous photocatalysts for water cleaning technologies: a review. *Environmental Chemistry Letters*, **2021**, 19, 643-668	13.3	13
76	Nanomaterials for Photocatalytic Environmental Remediation. *Materials Horizons*, **2021**, 85-116	0.6	
75	Electron transfer correlated antibacterial activity of biocompatible graphene Nanosheets-TiO2 coatings. *Carbon*, **2020**, 166, 350-360	10.4	11
74	Microwave-assisted synthesis of novel imine-linked copper porphyrin conjugated microporous polymers as heterogeneous photocatalysts. *Reactive and Functional Polymers*, **2020**, 154, 104633	4.6	6
73	Assessing the effect of light intensity and light wavelength spectra on the photoreduction of formic acid using a graphene oxide material. *International Journal of Chemical Reactor Engineering*, **2020**, 18,	1.2	2
72	Magnetite nanoparticles-TiO2 nanoparticles-graphene oxide nanocomposite: Synthesis, characterization and photocatalytic degradation for Rhodamine-B dye. *AIMS Materials Science*, **2020** , 7, 288-301	1.9	5
71	Preparation of Ag2Se-Graphene-TiO2 Nanocomposite and its Photocatalytic Degradation (Rh B). *Journal of the Korean Ceramic Society*, **2017**, 54, 388-394	2.2	4
70	Ag2Se-Graphene/TiO2Nanocomposites, Sonochemical Synthesis and Enhanced Photocatalytic Properties Under Visible Light. *Bulletin of the Korean Chemical Society*, **2012**, 33, 3761-3766	1.2	18
69	RhB Adsorption Performance of Magnetic Adsorbent Fe3O4/RGO Composite and Its Regeneration through A Fenton-like Reaction. **2014**, 6, 125		2
68	Photocatalysts for Hydrogen Production from Solar Water Splitting. *Clean Technology*, **2013**, 19, 191-200		6
67	Nanostructuring of Hybrid Materials Using Wrapping Approach to Enhance the Efficiency of Visible Light-Responsive Semiconductor Photocatalyst. **2021**, 217-232		
66	Thermal, photocatalytic, and antibacterial properties of rGO/TiO2/PVA and rGO/TiO2/PEG composites. *Polymer Bulletin*, 1	2.4	1
65	Complete photocatalytic degradation of tetracycline by carbon doped TiO supported with stable metal nitrate hydroxide. *Environmental Research*, **2021**, 207, 112188	7.9	2

64	Fabrication and photocatalytic degradation activity of core/shell ZIF-67@CoWO4@CoS heterostructure photocatalysts under visible light. *Environmental Nanotechnology, Monitoring and Management*, **2021**, 16, 100595	3.3	3
63	Semiconductor Nanosheets. *Nanostructure Science and Technology*, **2017**, 409-418	0.9	
62	Recent Advances in the Synthesis and Applications of Nitrogen-Doped Graphene. *Hans Journal of Nanotechnology*, **2019**, 09, 17-31	0.1	
61	Graphene Based Composites of Metals/Metal Oxides as Photocatalysts. **2020**, 329-337		1
60	Titanium Oxide-Based Nanomaterials with Photocatalytic Applications in Environmental Chemistry. *Environmental Chemistry for A Sustainable World*, **2020**, 215-263	0.8	
59	2D Carbon Materials as Photocatalysts. **2020**, 79-101		
58	Development of a novel photocatalyst: Titania nanostructure bunches decorated on graphene oxide for enhanced photocatalytic efficiency. *Materials Research Bulletin*, **2022**, 146, 111601	5.1	3
57	Hydrophilicity Variation of TiO2–Graphene Oxide Composite Thin Films for Photocatalytic Applications. *Springer Proceedings in Energy*, **2020**, 387-397	0.2	
56	Selective nanomolar electrochemical detection of serotonin, dopamine and tryptophan using TiO2/RGO/CPE – influence of reducing agents. *New Journal of Chemistry*,	3.6	0
55	Metal Oxide-Based Nanocomposites Application Towards Photocatalysis. **2020**, 155-178		
54	Enhanced photocatalytic performance of Nb doped TiO2/reduced graphene oxide nanocomposites over rhodamine B dye under visible light illumination. *Sustainable Environment Research*, **2021**, 31,	3.8	1
53	Study of Self-cleaning and Slip-Proof ECC. *Springer Theses*, **2022**, 207-227	0.1	
52	Synthesis of highly sensitive nanomaterial for ultra-fast photocatalytic activity: A detailed study on photocatalytic capabilities of rod-shaped TiS3 nanostructures. *Catalysis Communications*, **2022**, 162, 106381	3.2	0
51	Stability of the composite thin films MOx –GO in photocatalytic processes. **2020**,		0
50	Highly Effective Removal of Volatile Organic Pollutants with P-N Heterojunction Photoreduced Graphene Oxide-TiO 2 Photocatalyst Under UV and Visible Light. *SSRN Electronic Journal*,	1	
49	TiO2-coated graphene oxide-molybdate complex as a new separable nanocatalyst for the synthesis of pyrrole derivatives by Paal-Knorr reaction. *Arabian Journal of Chemistry*, **2022**, 103736	5.9	0
48	Photocatalytic transition-metal-oxides-based p– heterojunction materials: synthesis, sustainable energy and environmental applications, and perspectives. *Journal of Nanostructure in Chemistry*, 1	7.6	0
47	Fundamentals principle of photocatalysis. **2022**, 1-22		

46	DFT Investigation of Substitutional and Interstitial Nitrogen-Doping Effects on a ZnO(100)□TiO2(101) Heterojunction. *Journal of Physical Chemistry C*,	3.8	1
45	High-performance photocatalytic decomposition of PFOA by BiOX/TiO heterojunctions: Self-induced inner electric fields and band alignment.. *Journal of Hazardous Materials*, **2022**, 430, 128195	12.8	2
44	Manipulating a TiO2-graphene-Ta3N5 heterojunction for efficient Z-scheme photocatalytic pure water splitting. *Materials Research Bulletin*, **2022**, 150, 111782	5.1	1
43	Metal oxide□arbon composite: synthesis and properties by using conventional enabling technologies. **2022**, 25-60		
42	Photocatalytic Synthesis of Oxidized Graphite Enabled by Grey TiO 2 and Direct Formation of a Visible-Light-Active Titania/Graphene Oxide Nanocomposite. *ChemPhotoChem*,	3.3	0
41	The promising solar-powered water purification based on graphene functional architectures. *EcoMat*,	9.4	1
40	One-Pot Synthesis of Ag-TiO 2 -rGO Nanocomposites for Visible-Light Photodegradation. *ChemistrySelect*, **2022**, 7,	1.8	
39	Sandwich-like photocatalyst MIL-101@TiO@PDVB with water resistance for efficient oxidation of toluene.. *Chemosphere*, **2022**, 133921	8.4	0
38	Graphene Related Materials and Composites: Strategies and Their Photocatalytic Applications in Environmental Remediation.		
37	Interfacial defects induced Z-scheme formation in Ag3PO4/MCo2O4 (M□□Cu, and Zn) heterostructures for enhanced dye photodegradation and benzylamine selective photooxidation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2022**, 430, 113956	4.7	0
36	In-situ grown nano silver iodide-graphene oxide-cotton hybrid filter material for dynamic visible light response photocatalysis. *Separation and Purification Technology*, **2022**, 121192	8.3	0
35	Photocatalytic degradation of tetracycline based on the highly reactive interface between graphene nanopore and TiO2 nanoparticles. *Microporous and Mesoporous Materials*, **2022**, 338, 111958	5.3	1
34	Preparation of reduced graphene oxide copper - tin sulphide nanocomposites for photovoltaic application. *AIP Conference Proceedings*, **2022**,	0	
33	Gas Sensors Based on Titanium Oxides (Review). *Coatings*, **2022**, 12, 699	2.9	3
32	Highly Efficient UV-Visible Absorption of TiO2/Y2O3 Nanocomposite Prepared by Nanosecond Pulsed Laser Ablation Technique. *Arabian Journal of Chemistry*, **2022**, 104004	5.9	0
31	Preparation and Photocatalytic and Antibacterial Activities of Micro/Nanostructured TiO2-Based Photocatalysts for Application in Orthopedic Implants. *Frontiers in Materials*, **2022**, 9,	4	1
30	Graphene-based polymer composites for photocatalytic applications. **2022**, 377-432		
29	Mesoporous BiVO4/TiO2 heterojunction: enhanced photoabsorption and photocatalytic ability through promoted charge transfer. *Environmental Science and Pollution Research*,	5.1	0

28	GO-HFIPPH covered a-IGZO thin film transistor for gate tunable DMMP detection. *Sensors and Actuators A: Physical*, **2022**, 343, 113679	3.9	1
27	The electronic structures and predominant thermoelectric performance of the twisted InSb/Graphene bilayer. *Physica E: Low-Dimensional Systems and Nanostructures*, **2022**, 143, 115358	3	0
26	Photocatalytic Degradation of Methylene Blue from Aqueous Solutions by Rgo/Tio2 Nanocomposites. *SSRN Electronic Journal*,	1	
25	A solution-route processed multicomponent Cu2ZnSn (S1-x Sex)4 nanocrystals: A potential low-cost photocatalyst. *Journal of Cleaner Production*, **2022**, 365, 132750	10.3	0
24	Directly converting metal organic framework into designable complex architectures with rich co-arranged active species for efficient solar-driven water splitting. **2022**, 114219		0
23	Preparation and properties of modified graphene oxide / polyacrylamide composite nanoparticle gel system.		
22	Photocatalytic activity of graphene oxide-TiO2 nanocomposite on dichlorvos and malathion and assessment of toxicity changes due to photodegradation. **2022**, 308, 136402		1
21	Fenton/Photo-Fenton processes for wastewater treatment and disinfection. **2022**, 241-252		0
20	Synthesis and photocatalytic activity of polyoxometalates immobilized onto g-C3N4/ZIF-67 heterostructures. **2023**, 153, 107131		0
19	A Review on the Progress and Future of TiO2/Graphene Photocatalysts. **2022**, 15, 6248		0
18	Construction of titanium-aluminum xerogel composite coagulant for removal of tetracycline in water: synergy effects and improvement mechanisms insight.		0
17	Two-dimensional C3N/WS2 vdW heterojunction for direct Z-scheme photocatalytic overall water splitting. **2022**,		0
16	Tailoring surface electronic properties of GO-TiO2 hybrid nanostructures through interface modifications. **2023**, 609, 155398		0
15	Visible light antibacterial potential of graphene-TiO2 cementitious composites for self-sterilization surface. 1-11		0
14	Self-Sustained Three-Dimensional Macroporous TiO2-Graphene Photocatalyst for Sunlight Decolorization of Methyl Orange. **2022**, 12, 4393		0
13	Bismuth-Based Multi-Component Heterostructured Nanocatalysts for Hydrogen Generation. **2023**, 13, 295		0
12	Metal-Organic Frameworks in photocatalytic Z-scheme heterojunctions: An emerging technology.		0
11	Weak visible-light photo-piezoelectric synergistic catalyst based on the Bi2Fe4O9/Carbon-dots/g-C3N4 heterostructure. **2023**, 38, 102809		0

10	ZnO with engineered surface defects as a competent photocatalyst for CO2 photoreduction into valuable fuels under simulated solar light irradiation. **2023**, 11, 109637	0
9	Piezoelectric materials: Advanced applications in electro-chemical processes. **2023**, 9, 4306-4324	0
8	Photoreforming of Waste Polymers for Sustainable Hydrogen Fuel and Chemicals Feedstock: Waste to Energy.	0
7	Three-dimensional nanoporous heterojunction of CdS/np-rGO for highly efficient photocatalytic hydrogen evolution under visible light. **2023**, 206, 237-245	0
6	Solar-Triggered Engineered 2D-Materials for Environmental Remediation: Status and Future Insights. **2023**, 10,	0
5	Graphene Oxide-Grafted Hybrid Diblock Copolymer Brush (GO-graft-PEG6k-block-P(MA-POSS)) as Nanofillers for Enhanced Lithium Ion Conductivity of PEO-Based Nanocomposite Solid Polymer Electrolytes. **2023**, 127, 2066-2082	0
4	Superwetting graphene-based materials: From wettability regulation to practical applications. **2023** , 29, 101452	0
3	Enhanced UV photo-detection properties of graphene oxide incorporated transparent TiO2 thin films in Schottky configuration. **2023**,	0
2	Elevated degradation of di-n-butyl phthalate by activating peroxymonosulfate over GO-CoFe2O4 composites: Synergistic effects and mechanisms. **2023**, 108397	0
1	Graphene-based Composite Materials as Catalyst for Organic Transformations. **2023**, 8,	0