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Visible-light-induced WO₃/g-C₃N₄ composites with enhanced photocatalytic activity

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412	Facile fabrication of highly efficient g-C ₃ N ₄ /Ag ₂ O heterostructured photocatalysts with enhanced visible-light photocatalytic activity. 2013 , 5, 12533-40		456
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410	Synthesis and characterization of CeO ₂ /g-C ₃ N ₄ composites with enhanced visible-light photocatalytic activity. 2013 , 3, 22269		136
409	In Situ Microwave-Assisted Synthesis of Porous N-TiO ₂ /g-C ₃ N ₄ Heterojunctions with Enhanced Visible-Light Photocatalytic Properties. 2013 , 52, 17140-17150		298
408	ZrO ₂ /g-C ₃ N ₄ with enhanced photocatalytic degradation of methylene blue under visible light irradiation. 2014 , 29, 2473-2482		30
407	Enhancement of photocatalytic activity for WO ₃ by simple NaOH loading. 2014 , 488, 183-188		14
406	Nanorod-like Bi ₂ O ₃ : a highly active photocatalyst synthesized using g-C ₃ N ₄ as a template. 2014 , 4, 55062-55066		21
405	Synergistic collaboration of g-C ₃ N ₄ /SnO ₂ composites for enhanced visible-light photocatalytic activity. 2014 , 246, 277-286		213
404	Inorganic-organic hybrid NiO/g-C ₃ N ₄ photocatalyst for efficient methylene blue degradation using visible light. 2014 , 4, 22491-22496		57
403	pH-dependent assembly of tungsten oxide three-dimensional architectures and their application in photocatalysis. 2014 , 6, 9321-7		60
402	Growth of BiOBr nanosheets on C ₃ N ₄ nanosheets to construct two-dimensional nanojunctions with enhanced photoreactivity for NO removal. 2014 , 418, 317-23		110
401	Facile synthesis of reduced graphene oxide/WO ₃ nanoplates composites with enhanced photocatalytic activity. 2014 , 120, 177-181		45
400	Synthesis and characterization of g-C ₃ N ₄ /BiVO ₄ composite photocatalysts with improved visible-light-driven photocatalytic performance. 2014 , 72, 443-454		40
399	Improved Photochemical Reactivities of Ag ₂ O/g-C ₃ N ₄ in Phenol Degradation under UV and Visible Light. 2014 , 53, 17645-17653		160

398	Synthesis and photocatalytic activity of a bentonite/g-C ₃ N ₄ composite. 2014 , 4, 11831		59
397	The synergistic effect between WO ₃ and g-C ₃ N ₄ towards efficient visible-light-driven photocatalytic performance. 2014 , 38, 5462-5469		60
396	Fe-doped and -mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight. 2014 , 2, 6772		407
395	A facile exfoliation-crystal growth route to multicomponent Ag ₂ O/Ag-TiO ₂ /BiOCl nanohybrids with improved visible light photocatalytic activity. <i>Dalton Transactions</i> , 2014 , 43, 10566-73	4-3	22
394	Visible light-driven g-C ₃ N ₄ /m-Ag ₂ Mo ₂ O ₇ composite photocatalysts: synthesis, enhanced activity and photocatalytic mechanism. 2014 , 4, 51008-51015		34
393	Remarkably enhanced photocatalytic activity of ordered mesoporous carbon/g-C ₃ N ₄ composite photocatalysts under visible light. <i>Dalton Transactions</i> , 2014 , 43, 7236-44	4-3	110
392	Novel Zn _{0.8} Cd _{0.2} S/g-C ₃ N ₄ heterojunctions with superior visible-light photocatalytic activity: Hydrothermal synthesis and mechanism study. 2014 , 395, 261-268		25
391	Enhanced photodegradation activity of methyl orange over Z-scheme type MoO ₃ /g-C ₃ N ₄ composite under visible light irradiation. 2014 , 4, 13610-13619		177
390	Solvothermal synthesis and enhanced visible light photocatalytic activity of novel graphitic carbon nitride/Bi ₂ MoO ₆ heterojunctions. 2014 , 267, 126-133		57
389	Significantly Enhanced Visible-Light-Induced Photocatalytic Performance of Hybrid Zn ₂ Layered Double Hydroxide/Graphene Nanocomposite and the Mechanism Study. 2014 , 53, 12943-12952		67
388	Hybrid photocatalysts using graphitic carbon nitride/cadmium sulfide/reduced graphene oxide (g-C ₃ N ₄ /CdS/RGO) for superior photodegradation of organic pollutants under UV and visible light. <i>Dalton Transactions</i> , 2014 , 43, 12514-27	4-3	198
387	Z-scheme photocatalytic hydrogen production over WO ₃ /g-C ₃ N ₄ composite photocatalysts. 2014 , 4, 21405-21409		165
386	Fabrication of novel g-C ₃ N ₄ /nanocage ZnS composites with enhanced photocatalytic activities under visible light irradiation. 2014 , 16, 4485-4492		54
385	Heterojunction of facet coupled g-C ₃ N ₄ /surface-fluorinated TiO ₂ nanosheets for organic pollutants degradation under visible LED light irradiation. 2014 , 156-157, 331-340		282
384	Observing the role of graphene in boosting the two-electron reduction of oxygen in graphene-WO ₃ nanorod photocatalysts. 2014 , 30, 5574-84		166
383	Branched WO ₃ nanosheet array with layered C ₃ N ₄ heterojunctions and CoOx nanoparticles as a flexible photoanode for efficient photoelectrochemical water oxidation. 2014 , 26, 5043-9		283
382	Novel mesoporous g-C ₃ N ₄ and BiPO ₄ nanorods hybrid architectures and their enhanced visible-light-driven photocatalytic performances. 2014 , 241, 344-351		111
381	The influence of preparation method on the photocatalytic performance of g-C ₃ N ₄ /WO ₃ composite photocatalyst. 2014 , 40, 11963-11969		50

380	Complete oxidation of acetaldehyde over a composite photocatalyst of graphitic carbon nitride and tungsten(VI) oxide under visible-light irradiation. 2014 , 150-151, 479-485	97
379	Facile Synthesis of Au/g-C ₃ N ₄ Nanocomposites: An Inorganic/Organic Hybrid Plasmonic Photocatalyst with Enhanced Hydrogen Gas Evolution Under Visible-Light Irradiation. 2014 , 6, n/a-n/a	61
378	Ultrathin g-C ₃ N ₄ Nanosheets Coupled with AgIO ₃ as Highly Efficient Heterostructured Photocatalysts for Enhanced Visible-Light Photocatalytic Activity. 2015 , 21, 17739-47	38
377	Synthesis, Characterization, and Photocatalytic Activity of g-C ₃ N ₄ /KTaO ₃ Composites under Visible Light Irradiation. 2015 , 2015, 1-7	14
376	Visible-light-induced blue MoO ₃ /g-C ₃ N ₄ composite with enhanced photocatalytic activity. 2015 , 70, 500-505	41
375	Magnetic g-C ₃ N ₄ /NiFe ₂ O ₄ hybrids with enhanced photocatalytic activity. 2015 , 5, 57960-57967	92
374	In situ growth of TiO ₂ nanocrystals on g-C ₃ N ₄ for enhanced photocatalytic performance. 2015 , 17, 17406-12	109
373	Fe ₂ O ₃ modified ZnO flower-like microstructures with enhanced photocatalytic performance for pentachlorophenol degradation. 2015 , 41, 9420-9425	30
372	Preparation and enhanced photoelectrochemical performance of a p-n heterojunction CuFe ₂ O ₄ /WO ₃ nanocomposite film. 2015 , 5, 99378-99384	20
371	Dramatic activity of a Bi ₂ WO ₆ @g-C ₃ N ₄ photocatalyst with a core@shell structure. 2015 , 5, 99339-99346	46
370	Fe ₂ O ₃ /reduced graphene oxide nanorod as efficient photocatalyst for methylene blue degradation. 2015 , 19, 258-264	25
369	Insights into Enhanced Visible-Light Photocatalytic Hydrogen Evolution of g-C ₃ N ₄ and Highly Reduced Graphene Oxide Composite: The Role of Oxygen. 2015 , 27, 1612-1621	219
368	Constructing a multicomponent junction for improved visible-light photocatalytic performance induced by Au nanoparticles. 2015 , 51, 2173-6	12
367	Preparation of WO ₃ /g-C ₃ N ₄ composites and their enhanced photodegradation of contaminants in aqueous solution under visible light irradiation. 2015 , 114, 357-367	35
366	High yield synthesis of nano-size g-C ₃ N ₄ derivatives by a dissolve-regrowth method with enhanced photocatalytic ability. 2015 , 5, 26281-26290	47
365	Polymeric photocatalysts based on graphitic carbon nitride. 2015 , 27, 2150-76	2367
364	Facile fabrication of highly efficient g-C ₃ N ₄ /BiFeO ₃ nanocomposites with enhanced visible light photocatalytic activities. 2015 , 448, 17-23	93
363	Synthesis of g-C ₃ N ₄ /CaIn ₂ S ₄ composites with enhanced photocatalytic activity under visible light irradiation. <i>Dalton Transactions</i> , 2015 , 44, 16091-8	4-3 20

362	Hydrothermal synthesis, influencing factors and excellent photocatalytic performance of novel nanoparticle-assembled Bi ₂ FeO ₄ tetrahedrons. 2015 , 17, 6527-6537		32
361	Graphene oxide amplified electrochemiluminescence of graphitic carbon nitride and its application in ultrasensitive sensing for Cu(2+). 2015 , 891, 113-9		32
360	Ternary mesoporous WO ₃ /Mn ₃ O ₄ /N-doped graphene nanocomposite for enhanced photocatalysis under visible light irradiation. 2015 , 5, 3375-3382		27
359	Unprecedented enhancement in visible-light-driven photoactivity of modified graphitic C ₃ N ₄ by coupling with H ₂ WO ₄ . 2015 , 3, 1072-1080		15
358	Synthesis of magnetic CoFe ₂ O ₄ /g-C ₃ N ₄ composite and its enhancement of photocatalytic ability under visible-light. 2015 , 478, 71-80		192
357	Facile Synthesis of Crystalline Polymeric Carbon Nitrides with an Enhanced Photocatalytic Performance under Visible Light. 2015 , 7, 2897-2902		34
356	CeO ₂ nanorod/g-C ₃ N ₄ /N-rGO composite: enhanced visible-light-driven photocatalytic performance and the role of N-rGO as electronic transfer media. <i>Dalton Transactions</i> , 2015 , 44, 11223-34	4-3	86
355	Novel Bi ₁₂ ZnO ₂₀ Bi ₂ WO ₆ heterostructures: facile synthesis and excellent visible-light-driven photocatalytic activities. 2015 , 5, 30239-30247		23
354	Sulfur-doped g-C ₃ N ₄ with enhanced photocatalytic CO ₂ -reduction performance. 2015 , 176-177, 44-52		704
353	Enhanced visible-light photocatalytic activity of Ag ₂ O/g-C ₃ N ₄ p/n heterojunctions synthesized via a photochemical route for degradation of tetracycline hydrochloride. 2015 , 5, 40000-40006		35
352	Facile synthesis of new, highly efficient SnO ₂ /carbon nitride composite photocatalysts for the hydrogen evolution reaction. 2015 , 17, 3350-3361		59
351	Mesoporous carbon nitride-tungsten oxide composites for enhanced photocatalytic hydrogen evolution. 2015 , 8, 1404-10		88
350	A general method for type I and type II g-C ₃ N ₄ /g-C ₃ N ₄ metal-free isotype heterostructures with enhanced visible light photocatalysis. 2015 , 39, 4737-4744		81
349	Preparation of g-C ₃ N ₄ /ZnO composites and their enhanced photocatalytic activity. 2015 , 30, 122-127		19
348	Magnetically separable Fe ₂ O ₃ /g-C ₃ N ₄ catalyst with enhanced photocatalytic activity. 2015 , 5, 95727-95735		45
347	Facile synthesis and enhanced visible-light photocatalytic activity of graphitic carbon nitride decorated with ultrafine Fe ₂ O ₃ nanoparticles. 2015 , 5, 92033-92041		62
346	In situ construction of Bi ₂ O ₃ /g-C ₃ N ₄ /Bi ₂ O ₃ composites and their highly efficient photocatalytic performances. 2015 , 5, 92963-92969		35
345	Visible-light-driven Bi ₂ O ₃ /WO ₃ composites with enhanced photocatalytic activity. 2015 , 5, 91094-91102		41

344	Enhanced visible-light-driven photocatalytic activity of WO ₃ /BiOI heterojunction photocatalysts. 2015 , 410, 168-176	64
343	Water-assisted production of honeycomb-like g-C ₃ N ₄ with ultralong carrier lifetime and outstanding photocatalytic activity. 2015 , 7, 2471-9	288
342	Ultrasound assisted synthesis of heterogeneous g-C ₃ N ₄ /BiVO ₄ composites and their visible-light-induced photocatalytic oxidation of NO in gas phase. 2015 , 626, 401-409	91
341	Fabrication and characterization of novel Z-scheme photocatalyst WO ₃ /g-C ₃ N ₄ with high efficient visible light photocatalytic activity. 2015 , 149-150, 512-521	74
340	In situ synthesis of graphitic-C ₃ N ₄ nanosheet hybridized N-doped TiO ₂ nanofibers for efficient photocatalytic H ₂ production and degradation. 2015 , 8, 1199-1209	253
339	High performing smart electrochromic device based on honeycomb nanostructured h-WO ₃ thin films: hydrothermal assisted synthesis. <i>Dalton Transactions</i> , 2015 , 44, 2788-800	4-3 61
338	g-C ₃ N ₄ modified Bi ₂ O ₃ composites with enhanced visible-light photocatalytic activity. 2015 , 76, 112-119	86
337	MnWO ₄ nanocapsules: Synthesis, characterization and its electrochemical sensing property. 2015 , 619, 601-609	51
336	Biomimetic fabrication of g-C ₃ N ₄ /TiO ₂ nanosheets with enhanced photocatalytic activity toward organic pollutant degradation. 2015 , 260, 117-125	342
335	Graphitic carbon nitride based nanocomposites: a review. 2015 , 7, 15-37	1212
334	A Visible-Light-Active Heterojunction with Enhanced Photocatalytic Hydrogen Generation. 2016 , 9, 1869-79	34
333	Piezopotential-Induced Schottky Behavior of Zn _{1-x} SnO ₃ Nanowire Arrays and Piezophotocatalytic Applications. 2016 , 99, 2593-2600	42
332	Facile hydrothermal synthesis and improved photocatalytic activities of Zn ²⁺ doped Bi ₂ MoO ₆ nanosheets. 2016 , 6, 32349-32357	41
331	Activation of peroxymonosulfate by graphitic carbon nitride loaded on activated carbon for organic pollutants degradation. 2016 , 316, 60-8	120
330	Enhancement of photocatalytic activity in reducing CO ₂ over CdS/g-C ₃ N ₄ composite catalysts under UV light irradiation. 2016 , 651, 127-132	41
329	Graphitic Carbon Nitride (g-C ₃ N ₄)-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. 2016 , 116, 7159-329	4018
328	Pore confinement effects and stabilization of carbon nitride oligomers in macroporous silica for photocatalytic hydrogen production. 2016 , 106, 320-329	19
327	W ₁₈ O ₄₉ nanowires grown on g-C ₃ N ₄ sheets with enhanced photocatalytic hydrogen evolution activity under visible light. 2016 , 418-419, 95-102	48

326	A novel heterojunction photocatalyst, Bi ₂ SiO ₅ /g-C ₃ N ₄ : synthesis, characterization, photocatalytic activity, and mechanism. 2016 , 6, 40664-40675	70
325	In situ loading of Ag ₂ WO ₄ on ultrathin g-C ₃ N ₄ nanosheets with highly enhanced photocatalytic performance. 2016 , 313, 219-28	119
324	MO degradation by Ag-Ag ₂ O/g-C ₃ N ₄ composites under visible-light irradiation. 2016 , 5, 369	22
323	Synthesis and photocatalytic activity of g-C ₃ N ₄ /BiOI/BiOBr ternary composites. 2016 , 6, 41204-41213	42
322	ZnS@g-C ₃ N ₄ Composite Photocatalysts: In Situ Synthesis and Enhanced Visible-Light Photocatalytic Activity. 2016 , 146, 2185-2192	21
321	Catalytic oxidation of NO by g-C ₃ N ₄ -assisted electrospun porous carbon nanofibers at room temperature: Structure-activity relationship and mechanism study. 2016 , 87, 62-65	14
320	Novel spindle-shaped nanoporous TiO ₂ coupled graphitic g-C ₃ N ₄ nanosheets with enhanced visible-light photocatalytic activity. 2016 , 42, 18443-18452	71
319	Construction of TiO ₂ hollow nanosphere/g-C ₃ N ₄ composites with superior visible-light photocatalytic activity and mechanism insight. 2016 , 41, 130-140	55
318	Homologous metal-free electrocatalysts grown on three-dimensional carbon networks for overall water splitting in acidic and alkaline media. 2016 , 4, 12878-12883	60
317	Fabrication of organic/inorganic hybrid membranes composed of poly(vinylidene fluoride) and silver cyanamide and their high photocatalytic activity under visible light irradiation. 2016 , 6, 61920-61926	13
316	Facile Synthesis of Fluorine Doped Graphitic Carbon Nitride with Enhanced Visible Light Photocatalytic Activity. 2016 , 11, 1650137	14
315	Plasmonic photocatalyst Au/g-C ₃ N ₄ /NiFe ₂ O ₄ nanocomposites for enhanced visible-light-driven photocatalytic hydrogen evolution. 2016 , 6, 54964-54975	116
314	Fe-species-loaded graphitic carbon nitride with enhanced photocatalytic performance under visible-light irradiation. 2016 , 420, 159-166	15
313	Synthesis and photocatalytic application of visible-light active Fe ₂ O ₃ /g-C ₃ N ₄ hybrid nanocomposites. 2016 , 187, 171-180	157
312	Template-free preparation of macro/mesoporous g-C ₃ N ₄ /TiO ₂ heterojunction photocatalysts with enhanced visible light photocatalytic activity. 2016 , 187, 47-58	444
311	Electron competitive migration regulating for dual maxima of water photolysis. 2016 , 6, 995-1003	14
310	Sr _x Ti _{1-x} O ₂ solid-solution-nanoparticle embedded mesoporous silica (SBA-15) hybrid as an engineered photocatalyst with enhanced activity. 2016 , 186, 353-70	16
309	A stable Ag ₃ PO ₄ @g-C ₃ N ₄ hybrid core@shell composite with enhanced visible light photocatalytic degradation. 2016 , 183, 133-141	399

308	Modification of Ag ₃ VO ₄ with graphene-like MoS ₂ for enhanced visible-light photocatalytic property and stability. 2016 , 40, 2168-2177	35
307	Ionic liquid-assisted synthesis and improved photocatalytic activity of p-n junction g-C ₃ N ₄ /BiOCl. 2016 , 51, 4769-4777	52
306	Facile preparation of semimetallic WP ₂ as a novel photocatalyst with high photoactivity. 2016 , 6, 15724-15730	22
305	Enhanced photocatalytic activity of Bi ₂₅ FeO ₄₀ Bi ₂ WO ₆ heterostructures based on the rational design of the heterojunction interface. 2016 , 6, 26038-26044	26
304	Synthesis of highly dispersed silver doped g-C ₃ N ₄ nanocomposites with enhanced visible-light photocatalytic activity. 2016 , 98, 223-230	90
303	A review on photocatalytic application of g-C ₃ N ₄ /semiconductor (CNS) nanocomposites towards the erasure of dyeing wastewater. 2016 , 47, 62-84	139
302	Graphitic carbon nitride as a photovoltaic booster in quantum dot sensitized solar cells: a synergistic approach for enhanced charge separation and injection. 2016 , 4, 5528-5541	66
301	AgCl/Ag/g-CN Hybrid Composites: Preparation, Visible Light-Driven Photocatalytic Activity and Mechanism. 2016 , 8, 182-192	120
300	Assembly of Ag ₃ PO ₄ nanoparticles on two-dimensional Ag ₂ S sheets as visible-light-driven photocatalysts. 2016 , 18, 3638-43	32
299	Preparation of g-C ₃ N ₄ /Ta ₂ O ₅ Composites with Enhanced Visible-Light Photocatalytic Activity. 2016 , 45, 2334-2340	8
298	Synthesis of a SrFeO ₃ /g-C ₃ N ₄ heterojunction with improved visible-light photocatalytic activities in chloramphenicol and crystal violet degradation. 2016 , 6, 2323-2336	81
297	In situ growth of Ag/Ag ₂ O nanoparticles on g-C ₃ N ₄ by a natural carbon nanodot-assisted green method for synergistic photocatalytic activity. 2016 , 6, 3186-3197	26
296	MoS ₂ nanodot decorated In ₂ S ₃ nanoplates: a novel heterojunction with enhanced photoelectrochemical performance. 2016 , 52, 1867-70	40
295	BN nanosheets modified WO ₃ photocatalysts for enhancing photocatalytic properties under visible light irradiation. 2016 , 660, 48-54	43
294	A reversible photochromic switch based on self-assembly of layered double hydroxide and decatungstate. 2016 , 223, 634-640	14
293	Construction of stable Ta ₃ N ₅ /g-C ₃ N ₄ metal/non-metal nitride hybrids with enhanced visible-light photocatalysis. 2017 , 391, 392-403	58
292	A review on g-C ₃ N ₄ -based photocatalysts. 2017 , 391, 72-123	1687
291	Synergistically enhanced photocatalytic activity of graphitic carbon nitride and WO ₃ nano hybrids mediated by photo-Fenton reaction and H ₂ O ₂ . 2017 , 206, 263-270	47

290	Efficient conversion of fructose into 5-hydroxymethylfurfural over WO ₃ /reduced graphene oxide catalysts. 2017 , 7, 3790-3795	28
289	Assembly of g-CN-based type II and Z-scheme heterojunction anodes with improved charge separation for photoelectrojunction water oxidation. 2017 , 19, 4507-4515	52
288	Enhanced photocatalytic activity of Fe doped ZnO nanocrystals under sunlight irradiation. 2017 , 134, 88-98	76
287	Graphitic C ₃ N ₄ based noble-metal-free photocatalyst systems: A review. 2017 , 206, 556-588	451
286	Heterojunction Photocatalysts. 2017 , 29, 1601694	2003
285	Enhanced visible light photocatalytic activity in SnO ₂ @g-C ₃ N ₄ core-shell structures. 2017 , 218, 23-30	50
284	Two impurity energy level regulation leads to enhanced thermoelectric performance of Ag _{1-x} CdxIn ₅ Se ₈ . 2017 , 7, 12719-12725	7
283	SnO ₂ nanosheets/g-C ₃ N ₄ composite with improved lithium storage capabilities. 2017 , 674, 42-47	31
282	WO ₃ /g-CN composites: one-pot preparation and enhanced photocatalytic H ₂ production under visible-light irradiation. 2017 , 28, 164002	64
281	Ball-milling combined calcination synthesis of In ₂ O ₃ /C ₃ N ₄ for high photocatalytic activity under visible light irradiation. 2017 , 28, 8255-8265	11
280	Low-temperature fabrication of Bi ₂₅ FeO ₄₀ /rGO nanocomposites with efficient photocatalytic performance under visible light irradiation. 2017 , 7, 10064-10069	25
279	Fabrication and photocatalytic activity of magnetic core@shell ZnFe ₂ O ₄ @Ag ₃ PO ₄ heterojunction. 2017 , 63, 261-268	12
278	Efficient photocatalysis of organic vapors using graphitic carbon nitride and iron dual-coupled ZnO nanocomposites. 2017 , 74, 211-217	4
277	Synergy of adsorption and visible-light photocatalytic degradation of methylene blue by a bifunctional Z-scheme heterojunction of WO ₃ /g-C ₃ N ₄ . 2017 , 405, 359-371	214
276	Dry synthesis of water lily flower like SrO ₂ /g-C ₃ N ₄ nanohybrids for the visible light induced superior photocatalytic activity. 2017 , 93, 112-122	36
275	Design of 3D WO ₃ /h-BN nanocomposites for efficient visible-light-driven photocatalysis. 2017 , 7, 25160-25170	22
274	Interesting Ag ₃ PO ₄ concave rhombic dodecahedra: the same face with different morphologies and photocatalytic properties. 2017 , 7, 23977-23981	9
273	Construction of WO ₃ /C ₃ N ₄ composites as efficient photocatalysts for pharmaceutical degradation under visible light. 2017 , 7, 2591-2600	65

272	Enhanced visible-light photocatalytic H ₂ production of graphitic carbon nitride nanosheets by dye-sensitization combined with surface plasmon resonance. 2017 , 78, 185-194	20
271	Enhanced visible light photocatalytic water reduction from a g-C ₃ N ₄ /SrTa ₂ O ₆ heterojunction. 2017 , 217, 448-458	50
270	Morphological tuning of photo-booster g-C ₃ N ₄ with higher surface area and better charge transfers for enhanced power conversion efficiency of quantum dot sensitized solar cells. 2017 , 121, 90-105	27
269	Controllable synthesis of WO ₃ with different crystalline phases and its applications on methylene blue removal from aqueous solution. 2017 , 722, 555-563	39
268	Synthesis of dark orange montmorillonite/g-C ₃ N ₄ composites and their applications in the environment. 2017 , 107, 131-139	11
267	Novel g-CN/CoO Nanocomposites with Significantly Enhanced Visible-Light Photocatalytic Activity for H ₂ Evolution. 2017 , 9, 12427-12435	212
266	In situ hydrothermal synthesis of g-C ₃ N ₄ /TiO ₂ heterojunction photocatalysts with high specific surface area for Rhodamine B degradation. 2017 , 411, 400-410	204
265	Efficient visible light driven, mesoporous graphitic carbon nitride based hybrid nanocomposite: With superior photocatalytic activity for degradation of organic pollutant in aqueous phase. 2017 , 342, 102-115	19
264	Solvent-assisted synthesis of porous g-C ₃ N ₄ with efficient visible-light photocatalytic performance for NO removal. 2017 , 38, 372-378	54
263	Novel magnetic BaFe ₁₂ O ₁₉ /g-C ₃ N ₄ composites with enhanced thermocatalytic and photo-Fenton activity under visible-light. 2017 , 710, 510-518	46
262	g-C ₃ N ₄ (2D)/CdS (1D)/rGO (2D) dual-interface nano-composite for excellent and stable visible light photocatalytic hydrogen generation. 2017 , 42, 5971-5984	84
261	Enhanced photocatalytic activity of Cu ₂ O/g-C ₃ N ₄ heterojunction coupled with reduced graphene oxide three-dimensional aerogel photocatalysis. 2017 , 96, 18-27	47
260	Enhanced photocatalytic activity of g-C ₃ N ₄ -TiO ₂ nanocomposites for degradation of Rhodamine B dye. 2017 , 335, 287-293	36
259	CuO/PbTiO ₃ : A new-fangled p-n junction designed for the efficient absorption of visible light with augmented interfacial charge transfer, photoelectrochemical and photocatalytic activities. 2017 , 5, 20359-20373	57
258	Construction of full-spectrum-driven Ag ₂ S-g-C ₃ N ₄ /W ₁₈ O ₄₉ heterojunction catalyst with outstanding N ₂ photofixation ability. 2017 , 7, 42997-43004	11
257	Facile fabrication of mesoporous g-C ₃ N ₄ /TiO ₂ photocatalyst for efficient degradation of DNBP under visible light irradiation. 2017 , 426, 1271-1280	31
256	Correlation between particle size of Bi ₂ O ₃ nanoparticles and their photocatalytic activity for degradation and mineralization of atrazine. 2017 , 242, 433-440	33
255	High efficiency for H ₂ evolution and NO removal over the Ag nanoparticles bridged g-C ₃ N ₄ and WS ₂ heterojunction photocatalysts. 2017 , 219, 467-478	66

254	Enhanced visible-light-driven photocatalytic activity of CeVO ₄ /graphitic C ₃ N ₄ photocatalysts for organic dye degradation. 2017 , 32, 574-583	9
253	Fabrication of WO ₃ @g-C ₃ N ₄ with core@shell nanostructure for enhanced photocatalytic degradation activity under visible light. 2017 , 423, 197-204	72
252	Synthesis and properties of nanocomposites of WO ₃ and exfoliated g-C ₃ N ₄ . 2017 , 43, 13581-13591	34
251	Deposition-precipitation preparation of Ag/AgPO/WO nanocomposites for efficient Visible-light degradation of rhodamine B under strongly acidic/alkaline conditions. 2017 , 506, 207-216	59
250	Facile synthesis of AuPd/g-C ₃ N ₄ nanocomposite: An effective strategy to enhance photocatalytic hydrogen evolution activity. 2017 , 42, 22765-22775	56
249	Preparation of the W ₁₈ O ₄₉ /g-C ₃ N ₄ heterojunction catalyst with full-spectrum-driven photocatalytic N ₂ photofixation ability from the UV to near infrared region. 2017 , 41, 8920-8926	64
248	Hydrothermal synthesized novel nanoporous g-C ₃ N ₄ /MnTiO ₃ heterojunction with direct Z-scheme mechanism. 2017 , 258, 998-1007	26
247	Microwave-Assisted Modified Polyimide Synthesis: A Facile Route to the Enhancement of Visible-Light-Induced Photocatalytic Performance for Dye Degradation. 2017 , 5, 6817-6826	20
246	Synergetic activation of peroxymonosulfate by Co ₃ O ₄ modified g-C ₃ N ₄ for enhanced degradation of diclofenac sodium under visible light irradiation. 2017 , 218, 810-818	191
245	Highly efficient photocatalytic and photoelectrocatalytic activity of solar light driven WO ₃ /g-C ₃ N ₄ nanocomposite. 2017 , 160, 484-493	111
244	Unexpected rapid photo-catalytic decolourisation/degradation of organic pollutants over highly active hetero junction based vanadium phosphate catalyst. 2017 , 284, 84-91	10
243	Co ₃ O ₄ /C ₃ N ₄ p-n nano-heterojunctions for the simultaneous degradation of a mixture of pollutants under solar irradiation. 2017 , 4, 212-221	116
242	Enhanced photo-induced charge separation and solar-driven photocatalytic performance of Ag/g-C ₃ N ₄ . 2017 , 47, 614-617	3
241	Facile preparation of Z-scheme WO ₃ /g-C ₃ N ₄ composite photocatalyst with enhanced photocatalytic performance under visible light. 2017 , 391, 202-210	251
240	Photocatalytic activity of modified g-C ₃ N ₄ /TiO ₂ nanocomposites for NO _x removal. 2017 , 280, 37-44	70
239	Facile synthesis of g-C ₃ N ₄ /BiVO ₄ heterojunctions with enhanced visible light photocatalytic performance. 2017 , 43, 301-307	60
238	Photocatalytic materials and technologies for air purification. 2017 , 325, 340-366	202
237	Efficient synthesis of tungsten oxide hydrate-based nanocomposites for applications in bifunctional electrochromic-energy storage devices. 2018 , 29, 185707	11

236	Recent development on carbon based heterostructures for their applications in energy and environment: A review. 2018 , 64, 16-59	109
235	Coupling P Nanostructures with P-Doped g-C3N4 As Efficient Visible Light Photocatalysts for H2 Evolution and RhB Degradation. 2018 , 6, 6342-6349	93
234	Stable 1T-phase MoS as an effective electron mediator promoting photocatalytic hydrogen production. 2018 , 10, 9292-9303	49
233	Enhanced photocatalytic activity of direct Z-scheme Bi2O3/g-C3N4 composites via facile one-step fabrication. 2018 , 33, 1391-1400	41
232	WO3/g-C3N4 two-dimensional composites for visible-light driven photocatalytic hydrogen production. 2018 , 43, 4845-4855	64
231	Facile synthesis of Fe2O3/WO3 composite with an enhanced photocatalytic and photo-electrochemical performance. 2018 , 24, 3673-3684	43
230	In-situ synthesis of direct solid-state dual Z-scheme WO3/g-C3N4/Bi2O3 photocatalyst for the degradation of refractory pollutant. 2018 , 227, 376-385	330
229	Coupling of Bifunctional CoMn-Layered Double Hydroxide@Graphitic C N Nanohybrids towards Efficient Photoelectrochemical Overall Water Splitting. 2018 , 13, 1045-1052	102
228	High photocatalytic activities of zinc oxide nanotube arrays modified with tungsten trioxide nanoparticles. 2018 , 39, 54-62	13
227	Positive effects of phosphotungstic acid on the in-situ solid-state polymerization and visible light photocatalytic activity of polyimide-based photocatalyst. 2018 , 226, 487-498	66
226	Aptamer-based photoelectrochemical biosensor for antibiotic detection using ferrocene modified DNA as both aptamer and electron donor. 2018 , 266, 514-521	48
225	High-performance for hydrogen evolution and pollutant degradation of reduced graphene oxide/two-phase g-CN heterojunction photocatalysts. 2018 , 25, 14486-14498	18
224	A newly constructed photoactive system, Fe(III)-C/N-Bi2O3, for efficient visible light photocatalysis. 2018 , 748, 390-397	19
223	Phase Purity Analysis and Optical Studies of Bi2O3 Nanoparticles Suitable for Photocatalytic Activity. 2018 , 17, 1760040	6
222	In situ polymerization synthesis of Z-scheme tungsten trioxide/polyimide photocatalyst with enhanced visible-light photocatalytic activity. 2018 , 428, 1130-1140	26
221	g-C3N4-Based Heterostructured Photocatalysts. 2018 , 8, 1701503	1245
220	Combination of ultrasound-treated 2D g-CN with Ag/black TiO nanostructure for improved photocatalysis. 2018 , 42, 517-525	17
219	Geometric architecture design of ternary composites based on dispersive WO3 nanowires for enhanced visible-light-driven activity of refractory pollutant degradation. 2018 , 334, 2568-2578	22

218	Photocatalytic Hydrogen Evolution via Water Splitting: A Short Review. 2018 , 8, 655	29
217	Synergistic Effect of Doping and Compositing on Photocatalytic Efficiency: A Case Study of LaTiO. 2018 , 10, 39327-39335	9
216	Nano-sized ZnO supported on poly(triazine imide) nanotube for visible light driven photocatalytic reduction of Cr(VI). 2018 , 29, 19509-19516	2
215	Carbon nitrides and metal nanoparticles: from controlled synthesis to design principles for improved photocatalysis. 2018 , 47, 7783-7817	167
214	Synthesis of BiFeWO ₆ /WO ₃ nanocomposite and its enhanced photocatalytic activity towards degradation of dye under irradiation of light. 2018 , 559, 83-91	43
213	Facile construction of leaf-like WO ₃ nanoflakes decorated on g-C ₃ N ₄ towards efficient oxidation of alcohols under mild conditions. 2018 , 42, 16523-16532	14
212	Visible-light-active g-C ₃ N ₄ /N-doped Sr ₂ Nb ₂ O ₇ heterojunctions as photocatalysts for the hydrogen evolution reaction. 2018 , 2, 2507-2515	34
211	Magnetically recoverable graphitic carbon nitride and NiFe ₂ O ₄ based magnetic photocatalyst for degradation of oxytetracycline antibiotic in simulated wastewater under solar light. 2018 , 6, 3874-3883	108
210	Adsorption and photocatalytic study of dye degradation over the g-C ₃ N ₄ /W ₁₈ O ₄₉ nanocomposite. 2018 , 13, 541-545	5
209	Surface oxygen vacancy and defect engineering of WO ₃ for improved visible light photocatalytic performance. 2018 , 8, 4399-4406	91
208	Enhanced performance and selectivity of CO ₂ methanation over g-C ₃ N ₄ assisted synthesis of Ni CeO ₂ catalyst: Kinetics and DRIFTS studies. 2018 , 43, 15191-15204	67
207	Dramatic visible photocatalytic performance of g-C ₃ N ₄ -based nanocomposite due to the synergistic effect of AgBr and ZnO semiconductors. 2018 , 122, 174-183	18
206	Review on fabrication of graphitic carbon nitride based efficient nanocomposites for photodegradation of aqueous phase organic pollutants. 2018 , 67, 28-51	204
205	Visible-light-driven activity and synergistic mechanism of TiO@g-CN heterostructured photocatalysts fabricated through a facile and green procedure for various toxic pollutants removal. 2018 , 29, 315601	20
204	Photocatalytic desulfurization of thiophene base on molecular oxygen and zinc phthalocyanine/g-C ₃ N ₄ . 2018 , 44, 5547-5557	10
203	NiO/C ₃ N ₄ : hybrid photocatalyst for the enhanced photodegradation of organic pollutant under visible light. 2018 , 5, 115503	9
202	The role of ozone and influence of band structure in WO photocatalysis and ozone integrated process for pharmaceutical wastewater treatment. 2018 , 360, 481-489	48
201	Recent developments of metal oxide based heterostructures for photocatalytic applications towards environmental remediation. 2018 , 267, 35-52	120

200	Synthesis of g-C3N4/Bi5O7I microspheres with enhanced photocatalytic activity under visible light. 2018 , 462, 18-28	36
199	Facile synthesis of high quality Z-scheme W18O49 nanowire-g-C3N4 photocatalyst for the enhanced visible light-driven photocatalytic hydrogen evolution. 2018 , 764, 1-9	27
198	g-C3N4/BiYO3 Composite for Photocatalytic Hydrogen Evolution. 2018 , 3, 5891-5899	16
197	Urea-modified carbon quantum dots as electron mediator decorated g-C3N4/WO3 with enhanced visible-light photocatalytic activity and mechanism insight. 2019 , 495, 143524	75
196	Synthesis of WO3 nanofibers decorated with BiOCl nanosheets for photocatalytic degradation of organic pollutants under visible light. 2019 , 580, 123752	34
195	An efficient and stable WO3/g-C3N4 photocatalyst for ciprofloxacin and orange G degradation. 2019 , 384, 112010	34
194	Synthesis of coral like WO3/g-C3N4 nanocomposites for the removal of hazardous dyes under visible light. 2019 , 808, 151734	61
193	Salt-Assisted Synthesis of 3D Porous g-CN as a Bifunctional Photo- and Electrocatalyst. 2019 , 11, 27226-27232	51
192	Improved photocatalytic activity of WO3/C3N4: By constructing an anchoring morphology with a Z-scheme band structure. 2019 , 95, 105926	11
191	Direct Z-Scheme 2D/2D Photocatalyst Based on Ultrathin g-C3N4 and WO3 Nanosheets for Efficient Visible-Light-Driven H2 Generation. 2019 , 11, 27913-27923	97
190	Preparation of oxygen-deficient 2D WO3 nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. 2019 , 54, 12463-12475	14
189	Construction of direct all-solid-state Z-scheme p-n copper indium disulfide/tungsten oxide heterojunction photocatalysts: Function of interfacial electric field. 2019 , 555, 72-81	15
188	Facile synthesis of g-C3N4/ LaMO3 (M: Co, Mn, Fe) composites for enhanced visible-light-driven photocatalytic water splitting. 2019 , 103, 104643	11
187	CVD technique assisted, advanced synthesis of WO3-G composites for enhanced photocatalytic H2 generation under visible light illumination. 2019 , 27, 762-769	2
186	Holey g-C3N4 nanosheet wrapped Ag3PO4 photocatalyst and its visible-light photocatalytic performance. 2019 , 191, 70-77	23
185	Natural Variation and Domestication Selection of Affects Plant Architecture and Yield-Related Traits in Maize. 2019 , 10,	6
184	Photocatalytic mineralization of hard-degradable morphine by visible light-driven Ag@g-CN nanostructures. 2019 , 26, 30941-30953	26
183	Photocatalytic Applications of Heterostructure Graphitic Carbon Nitride: Pollutant Degradation, Hydrogen Gas Production (water splitting), and CO Reduction. 2019 , 14, 234	47

182	Two-Dimensional COF with Rather Low Exciton Binding Energies Comparable to 3D Inorganic Semiconductors in the Visible Range for Water Splitting. 2019 , 123, 24626-24633	6
181	Enhanced Photocatalytic CO Reduction in Defect-Engineered Z-Scheme WO ₃ /g-CN Heterostructures. 2019 , 4, 15593-15599	47
180	Organic nitrogen promotes stability of metallic catalysts in conversion of bamboo pulp to low carbon polyols. 2019 , 47, 675-687	1
179	Graphitic Carbon Nitride Materials for Photocatalytic Hydrogen Production via Water Splitting: A Short Review. 2019 , 9, 805	26
178	Construction of metal oxide decorated (hbox {g-C}_{3}hbox {N}_{4}) materials with enhanced photocatalytic performance under visible light irradiation. 2019 , 131, 1	1
177	WO ₃ /BiVO ₄ /BiOCl porous nanosheet composites from a biomass template for photocatalytic organic pollutant degradation. 2019 , 802, 76-85	21
176	Visible light-driven g-C ₃ N ₄ @ZnO heterojunction photocatalyst synthesized via atomic layer deposition with a specially designed rotary reactor. 2019 , 487, 206-210	29
175	Assembly of AgI nanoparticles and ultrathin g-C ₃ N ₄ nanosheets codecorated Bi ₂ WO ₆ direct dual Z-scheme photocatalyst: An efficient, sustainable and heterogeneous catalyst with enhanced photocatalytic performance. 2019 , 373, 1144-1157	128
174	Fiber optic ethanol gas sensor based WO ₃ and WO ₃ /gC ₃ N ₄ nanocomposites by a novel microwave technique. 2019 , 118, 44-51	27
173	Boosting molecular oxygen activation ability in self-assembled plasmonic p-n semiconductor photocatalytic heterojunction of WO ₃ /Ag@Ag ₂ O. 2019 , 372, 12-25	54
172	Enhancing the photocatalytic activity of ZnSn(OH) achieved by gradual sulfur doping tactics. 2019 , 11, 9444-9456	9
171	Semiconductor polymeric graphitic carbon nitride photocatalysts: the Holy grail for the photocatalytic hydrogen evolution reaction under visible light. 2019 , 12, 2080-2147	470
170	Facile Synthesis of Ternary g-CN@BiOCl/BiOCl Composites With Excellent Visible Light Photocatalytic Activity for NO Removal. 2019 , 7, 231	8
169	Synthesis and Photocatalytic Activity of Fluorine DOPED-g-C ₃ N ₄ . 2019 , 889, 24-32	7
168	Establishing WO ₃ /g-C ₃ N ₄ Composite for Memory Photocatalytic Activity and Enhancement in Photocatalytic Degradation. 2019 , 149, 1167-1173	8
167	Preparation of highly dispersed WO ₃ /few layer g-C ₃ N ₄ and its enhancement of catalytic oxidative desulfurization activity. 2019 , 572, 250-258	34
166	Modifying Carbon Nitride through Extreme Phosphorus Substitution. 2019 , 1, 14-19	7
165	Synthesis of Fe ₂ O ₃ decorated g-C ₃ N ₄ /ZnO ternary Z-scheme photocatalyst for degradation of tartrazine dye in aqueous media. 2019 , 99, 258-267	53

164	One-Pot Fabrication of g-C3N4/MWCNTs Nanocomposites with Superior Visible-Light Photocatalytic Performance. 2019 , 58, 3679-3687	23
163	In situ construction of WO3/g-C3N4 composite photocatalyst with 2D/2D heterostructure for enhanced visible light photocatalytic performance. 2019 , 43, 17416-17422	15
162	Pyrolysis-Synthesized g-C3N4/Nb2O5 Nanocomposite for Enhanced Photocatalytic Activity under White LED Light Irradiation. 2019 , 4, 13250-13258	9
161	Semiconductor Nanocomposites for Visible Light Photocatalysis of Water Pollutants. 2019 ,	8
160	Atomic layer deposition with rotary reactor for uniform hetero-junction photocatalyst, g-CN@TiO core-shell structures.. 2019 , 9, 33180-33186	15
159	Engineering Charge Transfer Characteristics in Hierarchical Cu ₂ S QDs @ ZnO Nanoneedles with p/n Heterojunctions: Towards Highly Efficient and Recyclable Photocatalysts. 2018 , 9,	18
158	Enhanced LED-light-driven photocatalytic antibacterial by g-C3N4/BiOI composites. 2019 , 30, 2783-2794	14
157	Study on the enhancement of photocatalytic environment purification through ubiquitous-red-clay loading. 2019 , 1, 1	3
156	Hollowsphere Nanoheterojunction of g-CN@TiO with High Visible Light Photocatalytic Property. 2019 , 35, 779-786	51
155	Fabrication of hierarchical sheet-on-sheet WO3/g-C3N4 composites with enhanced photocatalytic activity. 2019 , 777, 325-334	36
154	Insight into the Z-scheme heterostructure WO3/g-C3N4 for enhanced photocatalytic degradation of methyl orange. 2019 , 236, 596-599	31
153	Enhanced photocatalytic Cr(VI) reduction and diclofenac sodium degradation under simulated sunlight irradiation over MIL-100(Fe)/g-C3N4 heterojunctions. 2019 , 40, 70-79	93
152	A novel poly(triazine imide) hollow tube/ZnO heterojunction for tetracycline hydrochloride degradation under visible light irradiation. 2019 , 30, 359-365	8
151	WO3 nanosheets/g-C3N4 nanosheets nanocomposite as an effective photocatalyst for degradation of rhodamine B. 2019 , 125, 1	20
150	High capable visible light driven photocatalytic activity of WO3/g-C3N4 heterostructure catalysts synthesized by a novel one step microwave irradiation route. 2019 , 30, 3294-3304	30
149	Photocatalytic selective oxidation of biomass-derived 5-hydroxymethylfurfural to 2,5-diformylfuran on WO3/g-C3N4 composite under irradiation of visible light. 2019 , 371, 1-9	62
148	Visible light driven CdS/WO3 inverse opals with enhanced RhB degradation activity. 2019 , 561, 381-387	18
147	Synthesis of Sn-WO3/g-C3N4 composites with surface activated oxygen for visible light degradation of dyes. 2019 , 369, 133-141	26

146	Fabrication of heterogeneous photocatalysts for insight role of carbon nanofibre in hierarchical WO ₃ /MoSe ₂ composite for enhanced photocatalytic hydrogen generation. 2019 , 45, 5547-5552	60
145	Binary composites WO ₃ /g-C ₃ N ₄ in porous morphology: Facile construction, characterization, and reinforced visible light photocatalytic activity. 2019 , 563, 11-21	22
144	Novel g-C ₃ N ₄ /h ⁺ ZnTiO ₃ -a ⁺ TiO ₂ direct Z-scheme heterojunction with significantly enhanced visible-light photocatalytic activity. 2019 , 774, 768-778	73
143	Recent developments in fabrication and structure regulation of visible-light-driven g-C ₃ N ₄ -based photocatalysts towards water purification: A critical review. 2019 , 335, 65-77	239
142	Facile fabrication of Ag ₂ O/Bi ₁₂ GeO ₂₀ heterostructure with enhanced visible-light photocatalytic activity for the degradation of various antibiotics. 2019 , 773, 1089-1098	43
141	Facile construction of djembe-like ZnO and its composite with g-C ₃ N ₄ as a visible-light-driven heterojunction photocatalyst for the degradation of organic dyes. 2020 , 106, 104754	30
140	Structural design of hexagonal/monoclinic WO ₃ phase junction for photocatalytic degradation. 2020 , 121, 110614	32
139	Stable Ag ₂ O/g-C ₃ N ₄ p-n heterojunction photocatalysts for efficient inactivation of harmful algae under visible light. 2020 , 265, 118610	71
138	WO ₃ /Cu ₂ O heterojunction for the efficient photoelectrochemical property without external bias. 2020 , 265, 118561	44
137	Facile fabrication of g-C ₃ N ₄ supported Fe ₃ O ₄ nanoparticles/ZnO nanorods: A superlative visible light responsive architecture for express degradation of pantoprazole. 2020 , 387, 123766	26
136	Er ³⁺ -doping induced formation of orthorhombic/monoclinic Bi ₅ O ₇ I heterostructure with enhanced visible-light photocatalytic activity for removal of contaminants. 2020 , 123, 110701	10
135	Influence of CeO ₂ loading on the structural, textural, optical and photocatalytic properties of single-pot sol-gel derived ultrafine CeO ₂ /TiO ₂ nanocomposites for the efficient degradation of tetracycline under visible light irradiation. 2020 , 108, 104891	18
134	Experimental and DFT Studies of Au Deposition Over WO ₃ /g-CN Z-Scheme Heterojunction. 2019 , 12, 7	35
133	BaWO ₄ /g-C ₃ N ₄ heterostructure with excellent bifunctional photocatalytic performance. 2020 , 385, 123833	38
132	Efficient Selective Sorption of Cationic Organic Pollutant from Water and Its Photocatalytic Degradation by AlVO ₄ /g-C ₃ N ₄ Nanocomposite. 2020 , 20, 2179-2194	11
131	Surface-state-induced upward band bending in P doped g-C ₃ N ₄ for the formation of an isotype heterojunction between bulk g-C ₃ N ₄ and P doped g-C ₃ N ₄ : photocatalytic hydrogen production. 2020 , 10, 8015-8025	6
130	Mesoporous magnetic g-CN nanocomposites for photocatalytic environmental remediation under visible light. 2020 , 205, 111147	2
129	Graphitic carbon nitride-based catalysts and their applications: A review. 2020 , 24, 100577	31

128	Fabrication of various morphological forms of a g-C ₃ N ₄ -supported MoO ₃ catalyst for the oxidative desulfurization of dibenzothiophene. 2020 , 44, 18745-18755	14
127	Design and fabrication of carbon dots decorated WO ₃ nanosheets hybrid photoanodes for sunlight-driven dye-sensitized solar cell applications. 2020 , 31, 14553-14562	1
126	Influence of different bismuth oxyhalides on the photocatalytic activity of graphitic carbon nitride: a comparative study under natural sunlight. 2020 , 1, 1262-1272	29
125	Surface decoration of MnWO ₄ nanoparticles with g-C ₃ N ₄ nanosheets to build hetero-structure and its structural, optical and enhanced visible light photocatalytic activity. 2020 , 31, 14823-14837	2
124	Cobalt monoxide/tungsten trioxide p-n heterojunction boosting charge separation for efficient visible-light-driven gaseous toluene degradation. 2020 , 400, 125919	35
123	A review on graphitic carbon nitride (g-C ₃ N ₄) based nanocomposites: Synthesis, categories, and their application in photocatalysis. 2020 , 846, 156446	128
122	Graphitic Carbon Nitride Decorated with Nickel(II)-(3-Pyridyl) Benzimidazole Complexes and Pt Nanoparticles as a Cocatalyst for Photocatalytic Hydrogen Production from Water Splitting. 2020 , 3, 10659-10667	4
121	Photocatalytic Degradation and Antibacterial Properties of Fe-Doped Alkalized Carbon Nitride. 2020 , 10,	7
120	Synthesis of novel g-C ₃ N ₄ /KBiFe ₂ O ₅ composite with enhanced photocatalytic efficiency. 2020 , 43, 1	1
119	Photoelectrochemical Studies on Metal-Doped Graphitic Carbon Nitride Nanostructures under Visible-Light Illumination. 2020 , 10, 983	1
118	Mechanism of visible photon absorption: unveiling of the C ₃ N ₄ /ZnO photoactive interface by means of EPR spectroscopy. 2020 , 1, 2357-2367	7
117	Sunlight Assisted improved photocatalytic degradation of rhodamine B using Pd-loaded g-C ₃ N ₄ /WO ₃ nanocomposite. 2020 , 126, 1	8
116	H ₂ O ₂ -assisted photocatalysis for removal of natural organic matter using nanosheet C ₃ N ₄ -WO ₃ composite under visible light and the hybrid system with ultrafiltration. 2020 , 399, 125733	26
115	Novel linen/polyethyleneimine/sodium decadecanate photochromic fabric prepared by layer-by-layer self-assembly method. 2020 , 27, 6591-6602	7
114	Synthesis and Characterization of Efficient ZnO/g-C ₃ N ₄ Nanocomposites Photocatalyst for Photocatalytic Degradation of Methylene Blue. 2020 , 10, 500	26
113	Enhanced reduction and oxidation capability over the CeO ₂ /g-C ₃ N ₄ hybrid through surface carboxylation: performance and mechanism. 2020 , 10, 4712-4725	14
112	Porous g-C ₃ N ₄ /WO ₃ photocatalyst prepared by simple calcination for efficient hydrogen generation under visible light. 2020 , 594, 124653	28
111	Construction of sandwich structured photocatalyst using monolayer WS ₂ embedded g-C ₃ N ₄ for highly efficient H ₂ production. 2020 , 46, 12933-12941	4

110	Powerful combination of 2D g-C3N4 and 2D nanomaterials for photocatalysis: Recent advances. 2020 , 390, 124475	98
109	Facile fabrication of novel AgS/K-g-CN composite and its enhanced performance in photocatalytic H evolution. 2020 , 568, 117-129	82
108	Cr doping effect on the structural, optoelectrical and photocatalytic properties of RF sputtered TiO2 thin films from a powder target. 2020 , 825, 153988	10
107	Carbonized Hybrid Micro/Nanostructured Metasurfaces Produced by Femtosecond Laser Ablation in Organic Solvents for Biomimetic Antireflective Surfaces. 2020 , 3, 1855-1871	23
106	Sunlight assisted degradation of a pollutant dye in water by a WO3@g-C3N4 nanocomposite catalyst. 2020 , 44, 2947-2960	21
105	Mainstream avenues for boosting graphitic carbon nitride efficiency: towards enhanced solar light-driven photocatalytic hydrogen production and environmental remediation. 2020 , 8, 10571-10603	38
104	Fabrication of BiFeO-g-CN-WO Z-scheme heterojunction as highly efficient visible-light photocatalyst for water reduction and 2,4-dichlorophenol degradation: Insight mechanism. 2020 , 397, 122708	63
103	A review on TiO2/g-C3N4 visible-light- responsive photocatalysts for sustainable energy generation and environmental remediation. 2020 , 8, 103896	97
102	Enhanced the visible light photocatalytic decomposition of antibiotic pollutant in wastewater by using Cu doped WO3. 2021 , 9, 104737	17
101	Synthesis of g-C3N4 / ZnO heterostructure photocatalyst for enhanced visible degradation of organic dye. 2021 , 229, 165548	9
100	Synthesis of oxygen-doped-g-C3N4/WO3 porous structures for visible driven photocatalytic H2 production. 2021 , 126, 114428	5
99	Vanadium-doped graphitic carbon nitride for multifunctional applications: Photoelectrochemical water splitting and antibacterial activities. 2021 , 264, 128593	11
98	Synthesis, characterization and photocatalytic performance of W impregnated g-CN for the removal of chlorophenol derivatives in natural sunlight exposure. 2021 , 265, 129135	4
97	Eosin Y-sensitized rose-like MoSx and CeVO4 construct a direct Z-scheme heterojunction for efficient photocatalytic hydrogen evolution. 2021 , 11, 4749-4762	2
96	A facile method for preparing porous g-C3N4 nanosheets with efficient photocatalytic activity under visible light. 2021 , 56, 7557-7572	5
95	Facile Fabrication of g-C3N4/Fe3O4 Photocatalyst with Enhanced Visible-Light Photocatalytic Activity towards the Degradation of Tartrazine Dye. 2021 , 33, 2293-2300	0
94	Construction of a Z-scheme heterojunction for high-efficiency visible-light-driven photocatalytic CO reduction. 2021 , 13, 4359-4389	32
93	Visible-Light-Driven SO42-/TiO2 Photocatalyst Synthesized from Binh Dinh (Vietnam) Ilmenite Ore for Rhodamine B Degradation. 2021 , 2021, 1-13	0

92	Sunlight active photocatalytic studies of Fe ₂ O ₃ based nanocomposites developed via two-pot synthesis technique. 2021 , 124, 108417	2
91	Solar Light-Irradiated Photocatalytic Degradation of Model Dyes and Industrial Dyes by a Magnetic CoFeO-gCN S-Scheme Heterojunction Photocatalyst. 2021 , 6, 4831-4841	17
90	Low Temperature Aqueous Chemical Growth Method for the Doping of W into ZnO Nanostructures and Their Photocatalytic Role in the Degradation of Methylene Blue. 1	2
89	Ag nanoparticles embedded defective tungsten oxide hydrate thin films for the enhanced electrochromic performance: Insights on the physico-chemical properties and localized surface plasmon resonance mechanism. 2021 , 207, 116693	6
88	Performance and mechanism of atrazine degradation using Co ₃ O ₄ /g-C ₃ N ₄ hybrid photocatalyst with peroxymonosulfate under visible light irradiation. 2021 , 614, 126161	10
87	Surfactant assisted approach to development of efficient WO ₃ photoanode for natural dye sensitized solar cell. 2021 , 220, 371-383	9
86	Ternary multifunctional catalysts of polymeric carbon nitride coupled with Pt-embedded transition metal oxide to enhance light-driven photothermal catalytic degradation of VOCs. 2021 , 412, 125266	12
85	Efficient promotion and transfer of excited charge carriers in phosphorus doped and Ni complex modified g-C ₃ N ₄ . 2021 , 370, 161-172	7
84	Strategies to improve WO ₃ -based photocatalysts for wastewater treatment: a review. 2021 , 56, 14416-14447	5
83	Study on Microstructure and Photocatalytic Mechanism of g-C ₃ N ₄ /WO ₃ Heterojunctions Prepared by Ice Template. 2021 , 6, 5719-5728	2
82	Neodymium oxide (NdO) coupled tubular g-CN, an efficient dual-function catalyst for photocatalytic hydrogen production and NO removal. 2021 , 773, 145583	13
81	Facile synthesis of in situ CNT/WO ₃ @ZnO nanoplate composites for adsorption and photocatalytic applications under visible light irradiation. 2021 , 36, 095010	1
80	Boosting the visible-light activity of ZrO ₂ /g-C ₃ N ₄ by controlling the crystal structure of ZrO ₂ . 2021 , 36, 3086-3095	3
79	A structural unique 1D-MoO ₃ @3D-WO ₃ nanohybrid for stable and reusable photocatalytic conversion of hexavalent chromium in aqueous medium. 2021 , 267, 124688	4
78	Heterojunction of WO ₃ Particle and g-C ₃ N ₄ Nanowire for Enhanced Photocatalytic Hydrogen Evolution. 2021 , 6, 8182-8187	1
77	Efficient rhodamine B degradation and stable electricity generation performance of visible-light photocatalytic fuel cell with g-C ₃ N ₄ /WO ₃ /TiO ₂ /Ti photoanode. 2021 , 27, 4875	2
76	Photoelectrocatalytic generation of H ₂ and S from toxic H ₂ S by using a novel BiOI/WO ₃ nanoflake array photoanode. 2021 , 15, 744	0
75	Co-catalyst boosted photocatalytic hydrogen production driven by visible-light over g-C ₃ N ₄ : The synergistic effect between Ag and Ag ₂ S. 2021 , 875, 160032	7

74	A Review: Photocatalysts Based on BiOCl and g-C3N4 for Water Purification. 2021 , 11, 1084	2
73	Novel VUV/g-CN system with high adaptability to varied environmental conditions and outstanding degradation capacity for chlorophenols. 2021 , 419, 126473	2
72	Photocatalytic performance of g-C3N4 based nanocomposites for effective degradation/removal of dyes from water and wastewater. 2021 , 143, 111417	18
71	Visible-light-driven enhanced photocatalytic performance using cadmium-doping of tungsten (VI) oxide and nanocomposite formation with graphitic carbon nitride disks. 2021 , 565, 150541	4
70	Controlled hydrothermal synthesis of BiOCl/BiOBr/g-CN composites exhibiting visible-light photocatalytic activity. 2021 , 297, 113256	9
69	Recent advances on heterojunction-based photocatalysts for the degradation of persistent organic pollutants. 2021 , 426, 130617	14
68	Ultrasonically dispersed ultrathin g-C3N4 nanosheet/BaBi2Nb2O9 heterojunction photocatalysts for efficient photocatalytic degradation of organic pollutant. 2021 , 884, 161037	4
67	Removal of U(VI) from aqueous solution via photocatalytic reduction over WO3/g-C3N4 composite under visible light. 2022 , 428, 131209	3
66	Fabrication of novel hybrid Z-Scheme WO@g-CN@MWCNT nanostructure for photocatalytic degradation of tetracycline and the evaluation of antimicrobial activity. 2022 , 287, 132050	7
65	Recent advances in graphitic carbon nitride semiconductor: Structure, synthesis and applications. 2022 , 137, 106181	13
64	Fabrication of a dual S-scheme BiOI/g-CN/BiOCl heterojunction with enhanced visible-light-driven performance for phenol degradation. 2022 , 287, 132241	8
63	Hybrid Nanomaterials for Advanced Photocatalysis. 2021 , 117-132	
62	Recent advancements and opportunities of decorated graphitic carbon nitride toward solar fuel production and beyond. 2021 , 5, 4457-4511	8
61	Highly efficient Bi2O3/MoS2 p-n heterojunction photocatalyst for H2 evolution from water splitting. 2020 , 45, 8479-8489	41
60	N-doped bamboo-like carbon nanotubes loading Co as ideal electrode material towards superior catalysis performance. 2020 , 45, 8703-8714	10
59	Urea and green tea like precursors for the preparation of g-C3N4 based carbon nanomaterials (CNMs) composites as photocatalysts for photodegradation of pollutants under UV light irradiation. 2020 , 398, 112596	16
58	Tungsten Oxide Nanoplates: Facile Synthesis, Controllable Oxygen Deficiency and Photocatalytic Activity. 2020 , 30, 319	5
57	Graphitic g-C3N4-WO3 Composite: Synthesis and Photocatalytic Properties. 2014 , 35, 1794-1798	7

56	Graphitic Carbon Nitride/Metal Oxides Nanocomposites and Their Applications in Engineering. 2020 , 231-265	
55	TiO ₂ /g-C ₃ N ₄ heterojunction hollow porous nanofibers as superior visible-light photocatalysts for H ₂ evolution and dye degradation.	2
54	Decoration of g-C ₃ N ₄ by inorganic cluster of polyoxometalate through organic linker strategy for enhancing photoelectrocatalytic performance under visible light. 2021 , 47, 3001-3001	0
53	Fabrication of novel flower-like Co ₃ O ₄ /g-C ₃ N ₄ heterojunction for tetracycline degradation under visible light irradiation. 2022 , 311, 131538	1
52	Photo-assisted electrolysis of urea using Ni-modified WO ₃ /g-C ₃ N ₄ as a bifunctional catalyst. 2022 , 47, 5797-5806	0
51	Rational Design of 0D/2D WO ₃ /g-C ₃ N ₄ Z-scheme Hybrid for Improving Photocatalytic Dye Degradation. 2022 , 7,	0
50	CaSnO ₃ coupled g-C ₃ N ₄ S-scheme heterostructure photocatalyst for efficient pollutant degradation. 2022 , 124, 108873	1
49	Enhanced peroxymonosulfate activation for Orange I degradation by g-C ₃ N ₄ /AgFeO ₂ composite in water. 2022 , 10, 107241	1
48	S-Scheme/Type-1 heterostructure stimulated WO ₃ /g-C ₃ N ₄ -WS ₂ ternary photocatalyst with improved charge transfer mechanism for full solar spectrum photocatalysis. 2022 , 903, 163951	2
47	Atmospheric CO ₂ mediated formation of Ag ₂ O-Ag ₂ CO ₃ /g-C ₃ N ₄ (p-n/n-n dual heterojunctions) with enhanced photoreduction of hexavalent chromium and nitrophenols. 2022 , 427, 113800	2
46	Hydrothermal construction of WO ₃ .0.33H ₂ O/g-C ₃ N ₄ nanocomposites with enhanced adsorption and photocatalytic activity.	0
45	Continuous g-CN layer-coated porous TiO fibers with enhanced photocatalytic activity toward H ₂ evolution and dye degradation.. 2022 , 12, 10258-10266	1
44	Strategic Design of a WO ₃ /PdOx-Carbon Shell Composite Photocatalyst: Visible Light-Mediated Selective Hydrogenation of 5-Hydroxymethylfurfural. 2022 , 5, 2706-2719	1
43	Fabrication and Characterization of Highly Efficient As-Synthesized WO/Graphitic-CN Nanocomposite for Photocatalytic Degradation of Organic Compounds.. 2022 , 15,	2
42	Research on roundness error consistency model for crank journal cylindrical grinding.	
41	Enhancing Green Product Generation of Photocatalytic NO Oxidation: A Case of WO Nanoplate/g-CN S-Scheme Heterojunction.. 2022 ,	2
40	Highly enhanced photocatalytic property dominantly owing to the synergic effects of much negative E _{cb} and S-scheme heterojunctions in composite g-C ₃ N ₄ /Mo-doped WO ₃ . 2022 , 642, 128682	0
39	Recent development on core-shell photo(electro)catalysts for elimination of organic compounds from pharmaceutical wastewater.. 2022 , 134311	1

38	Fabrication and Enhanced Photocatalytic Activity of p-n Heterojunction CoWO ₄ /g-C ₃ N ₄ Photocatalysts for Methylene Blue Degradation. 2022 , 51, 3205	2
37	Influence of g-C ₃ N ₄ and PANI onto WO ₃ photocatalyst on the photocatalytic degradation of POME. 2022 ,	0
36	Image_1.JPEG. 2019 ,	
35	Photocatalytic Activity of Ti-SBA-15/C ₃ N ₄ for Degradation of 2,4-Dichlorophenoxyacetic Acid in Water under Visible Light.. 2022 , 2022, 5531219	
34	Photocatalytic NO removal by WO ₃ samples prepared via a ball milling treatment under different parameters. 1-13	
33	Facile synthesis of rod-like TiO ₂ -based composite loaded with g-C ₃ N ₄ for efficient removal of high-chroma organic pollutants based on adsorption-photocatalysis mechanism. 2022 , 109517	1
32	Novel nanoparticle-assembled tetrakaidekahedron Bi ₂₅ FeO ₄₀ as efficient photo-Fenton catalysts for Rhodamine B degradation. 2022 , 33, 103579	2
31	Recent progress in g-C ₃ N ₄ -Based materials for remarkable photocatalytic sustainable energy. 2022 ,	0
30	BiFeO ₃ -Based Materials For Augmented Photoactivity. 2022 , 167-216	0
29	A novel construct of an electrochemical acetylcholinesterase biosensor for the investigation of malathion sensitivity to three different insect species using a NiCr ₂ O ₄ /g-C ₃ N ₄ composite integrated pencil graphite electrode. 2022 , 12, 16860-16874	1
28	Creation of direct Z-scheme Al/Ga co-doping biphasic ZnO/g-C ₃ N ₄ heterojunction for the sunlight-driven photocatalytic degradations of methylene blue.	0
27	Gas bubbling exfoliation strategy towards 3D g-C ₃ N ₄ hierarchical architecture for superior photocatalytic H ₂ evolution. 2022 , 919, 165794	0
26	Fe-Mo Doping G-C ₃ N ₄ Exfoliated Composite for Removal of Rhodamine B by Advanced Oxidation and Photocatalysis.	
25	Solar energy harvesting with carbon nitrides. 2022 , 81-107	
24	Coating Hollow Carbon Nitride Nanospheres with Porous WO ₃ Shells to Construct Z-Scheme Heterostructures for Efficient Photocatalytic Water Oxidation.	2
23	Changes in Structural, Morphological and Optical Features of Differently Synthesized C ₃ N ₄ -ZnO Heterostructures: An Experimental Approach. 2022 , 10, 119	1
22	Hydrothermal Synthesis of Co-Exposed-Faceted WO ₃ Nanocrystals with Enhanced Photocatalytic Performance. 2022 , 12, 2879	0
21	Preparation of a Flower-Like BiOCl/K-C ₃ N ₄ p-n Heterojunction and Photodegradation Formaldehyde and Dyes.	

- 20 Perovskite-type SrFeO₃/g-C₃N₄ S-scheme photocatalyst for enhanced degradation of Acid Red B. **2022**, 132, 112760 ○
- 19 Facile ball-milling synthesis of WO₃/g-C₃N₄ heterojunction for photocatalytic degradation of Rhodamine B. **2022**, 805, 139908 ○
- 18 Energy exchange potentials and superior reversibility of modulated tungsten oxide hydrate photochromic thin films and nano inks with the assistance of LSPR and non-LSPR agents. **2022**, 26, 101080
- 17 Highly Efficient Photocatalysis and Photo Fenton-Like Catalyst Degradation of Tetracycline and Rhodamine B Using Novel Porous Z-Scheme WO₃/g-C₃N₄ of In Situ Synthesis. 2200135 ○
- 16 Metal oxides (ZnO, CuO and NiO)-based nanostructured materials for photocatalytic remediation of organic contaminants. ○
- 15 Valorization of Waste Tungsten Filament into mpg-C₃N₄/WO₃ Photocatalyst: A Sustainable e-Waste Management and Wastewater Treatment. ○
- 14 Fe-Mo-O doping g-C₃N₄ exfoliated composite for removal of Rhodamine B by advanced oxidation and photocatalysis. **2022**, 155544 ○
- 13 Enhanced Photo-Fenton Activity Using Magnetic Cu_{0.5}Mn_{0.5}Fe₂O₄ Nanoparticles as a Recoverable Catalyst for Degrading Organic Contaminants. **2022**, 14, 3717 ○
- 12 Highly efficient photodegradation of raw landfill leachate using cost-effective and optimized g-C₃N₄/SnO₂/WO₃ quantum dots under Vis/NIR light. **2022**, 12, ○
- 11 Synthesis of Z-scheme g-C₃N₄/WO₃ nano-photocatalyst with superior antibacterial characteristics for wastewater treatment. ○
- 10 Fe₃S₄ nanoparticles wrapped in a g-C₃N₄ matrix: an outstanding visible active Fenton catalysis and electrochemical sensing platform for lead and uranyl ions. ○
- 9 Synthesis of Tungsten Oxide Nanoflakes and Their Antibacterial and Photocatalytic Properties. **2023**, 9, 54 ○
- 8 Synthesis of WO₃@WS₂ core-shell nanostructures via solution-based sulfurization for improved performance of water splitting. **2023**, 13, 4150-4155 ○
- 7 Construction of Z-scheme Ti/Ga co-doped ZnO heterostructure photocatalyst with graphitic carbon nitride for efficient visible-light-driven dye degradation. ○
- 6 Graphitic carbon nitride-based nanocomposites. **2023**, 59-76 ○
- 5 Constructing Cd bridged CeO₂/g-C₃N₄ S-scheme heterojunction for methyl orange photodegradation: Experimental and theoretical calculation. **2023**, 335, 117608 ○
- 4 Fabrication of TiO₂/Fe₂O₃/g-C₃N₄ ternary photocatalyst via a low-temperature calcination and solvothermal route and its visible light assisted photocatalytic properties. **2023**, 1282, 135166 ○
- 3 Plasmonic Photocatalysis for CO₂ Reduction: Advances, Understanding and Possibilities. ○

- 2 One-Pot Synthesis of 2D-2D WO₃/g-C₃N₄ Photocatalyst in Reverse Microemulsion System via Supercritical CO₂ for Enhanced Hydrogen Generation. ○
- 1 Development of TiO₂ decorated Fe₂O₃QDs/g-C₃N₄ Ternary Z-scheme photocatalyst involving the investigation of phase analysis via strain mapping and its photocatalytic performance under visible light illumination. ○