Photochemical

Persistent atrazine (ATZ) residues in the effluent of wastewater treatment plants (WWTPs) pose ecological risks and need to be effectively removed. Interestingly, it was found that the ...

We report a selective photochemical conversion of carbon dioxide (CO2) to formic acid (HCOOH, FA) at the gas-water interface (GWI) of microbubbles. The microbubbles with an average ...

New carbocyclic nucleoside analogues with a bicyclo [2.2.1]heptane fragment as sugar moiety; Synthesi... 3-Amino-4-sulfonylpyridinone acetamide and related pyridothiadiazine thrombin ...

?? [??????] Photochemical Carbopyridylation of Alkenes Using N-Alkenoxypyridinium Salts as Bifunctional Reagents ?N-??????????????????????? ?? ...

Non-photochemical quenching (NPQ) protects plants from excess light by dissipating excitation energy as heat. Limited exciton migration is a key feature of NPQ, reducing the energy flux to ...

?? ?-MnO2-Mn3O4 Nanocomposite for Photochemical Water Oxidation: Active Structure Stabilized in the Interface ??????????-MnO2-Mn3O4??????:??????? ...

Tetracoordinate boracycles are important motifs in organic synthesis and materials science, yet their synthesis remains constrained by two-electron processes requiring directing groups or ...

?? Spin Delocalization of Nitrile-Ligated Diarylboryl Radicals Enables Photochemical Boracycle Synthesis via N-Borylimidoyl Radicals ?????????????????N-????? ...

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