

Publication list:

Journal:

1. X.L. Zhao, D.L. Pan, X.F. Chen*, R.P. Li, T.G. Jiang, W.C. Wang, **G.S. Li***, D.Y.C. Leung*, g-C₃N₄ Photoanode for Photoelectrocatalytic Synergistic Pollutant Degradation and Hydrogen Evolution, *Applied Surface Science*, **2019**, 467–468, 658–665. (IF = 4.44)
2. L.F. Li, S.N. Xiao*, R.P. Li, Y.N. Cao, Y. Chen, Z.C. Li, **G.S. Li***, H.X. Li*, Nanotube Array-Like WO₃ Photoanode with Dual-Layer Oxygen-Evolution Cocatalysts for Photoelectrocatalytic Overall Water Splitting, *ACS Applied Energy Materials*, **2018**, DOI: 10.1021/acsaem.8b01215.
3. D.L. Pan, Z.Y. Han, Y.C. Miao*, D.Q. Zhang, **G.S. Li***, Thermally stable TiO₂ quantum dots embedded in SiO₂ foams: Characterization and photocatalytic H₂ evolution activity, *Applied Catalysis B-Environmental*, **2018**, 229, 130-138. (IF = 11.69, cited times 1)
4. X.J. Wang, X.L. Zhao, D.Q. Zhang, **G.S. Li***, H.X. Li*, Microwave irradiation induced UiO-66-NH₂ anchored on graphene with high activity for photocatalytic reduction of CO₂, *Applied Catalysis B-Environmental*, **2018**, 228, 47-53.(IF = 11.69, cited times 5)
5. Z.C. Lian, W.C. Wang, **G.S. Li***, F.H. Tian, K.S. Schanze*, H.X. Li*, Pt-enhanced mesoporous Ti³⁺/TiO₂ with rapid bulk to surface electron transfer for photocatalytic hydrogen evolution, *ACS Applied Materials Interfaces*, **2017**, 9, 16960-16967.(IF = 8.10, cited times 38)
6. Z.C. Lian, D.L. Pan, W.C. Wang, D.Q. Zhang, **G.S. Li***, H.X. Li*, Photoelectrocatalytic reduction of CO₂ to methanol over a photosystem II-enhanced Cu foam/Si-nanowire system, *Journal of Environmental Science*, **2017**, 60, 108-113.(IF = 3.12, cited times 2)
7. **G.S. Li***, Z.C. Lian, W.C. Wang, D.Q. Zhang, H.X. Li*, Nanotube-confinement induced size-controllable g-C₃N₄ quantum dots modified single-crystalline TiO₂ nanotube arrays for stable synergetic photoelectrocatalysis, *Nano Energy*, **2016**, 19, 446-454. (IF = 13.12, cited times 81)
8. W.C. Wang, F. Li, D.Q. Zhang, D.Y.C. Leung*, **G.S. Li***, Photoelectrocatalytic hydrogen generation and simultaneous degradation of organic pollutant via CdSe/TiO₂ nanotube arrays, *Applied Surface Science*, **2016**, 362, 490-497. (IF =4.44, cited times 34)
9. **G.S. Li***, Z.C. Lian, X. Li, Y.Y. Xu, W.C. Wang, D.Q. Zhang, F.H. Tian, H.X. Li*, Ionothermal synthesis of black Ti³⁺-doped single-crystal TiO₂ as an active photocatalyst for pollutant degradation and H₂ generation, *Journal Materials Chemistry A*, **2015**, 3, 3748-3756. (IF = 9.931, cited times 49)
10. S.N. Xiao, P.J. Liu, W. Zhu, **G.S. Li**, D.Q. Zhang*, H.X. Li*, Copper nanowires: a substitute for noble metals to enhance photocatalytic H₂ generation, *Nano Letters*, **2015**, 15, 4853-4858. (IF = 12.08, cited times 37)
11. M.C. Wen, S.S. Zhang, W.R. Dai, **G.S. Li**, D.Q. Zhang*, In situ synthesis of Ti³⁺ self-doped mesoporous TiO₂ as a durable photocatalyst for environmental remediation, *Chinese Journal of Catalysis*, **2015**, 36, 2095-2102. (IF =2.813, cited times 26)
12. Z.C. Lian, W.C. Wang, S.N. Xiao, X. Li, Y.Y. Cui, D.Q. Zhang, **G.S. Li***, H.X. Li, Plasmonic silver quantum dots coupled with hierarchical TiO₂ nanotube arrays photoelectrodes for efficient visible-light photoelectrocatalytic hydrogen evolution, **2015**, *Scientific Reports*, 5, 10461. (IF =4.122, cited times 61)
13. Z.C. Lian, P.P. Xu, W.C. Wang, D.Q. Zhang, S.N. Xiao, X. Li, **G.S. Li***, C₆₀-Decorated

CdS/TiO₂ mesoporous architectures with enhanced photostability and photocatalytic activity for H₂ Evolution, *ACS Applied Materials & Interfaces*, **2015**, 7, 4533-4540. (IF = 8.097, cited times 58)

14. S.L. Wang, S. Kershaw, **G.S. Li***, Michael K.H. Leung*, Self-assembly Synthesis of Tungsten Oxide Quantum Dots with Enhanced Optical Properties, *Journal of Materials Chemistry C*, **2015**, 3, 3280-3285. (IF = 5.976, cited times 23)
15. L. Wu, F. Li, Y.Y. Xu, J.W. Zhang, D.Q. Zhang, **G.S. Li***, H.X. Li, Plasmon-induced photoelectrocatalytic activity of Au nanoparticles enhanced TiO₂ nanotube arrays electrodes for environmental remediation, *Applied Catalysis B: Environmental*, **2015**, 164, 217-224. (IF = 11.69, **ESI highly cited paper**, cited times 97)
16. **G.S. Li***, B. Jiang, S.N. Xiao, Z.C. Lian, D.Q. Zhang, J.C. Yu*, H.X. Li*, An efficient dye-sensitized BiOCl photocatalyst for air and water purification under visible light irradiation, *Environmental & Science: Processes Impacts*, **2014**, 16, 1975-1980. (IF = 2.491, cited times 41)
17. X.N. Wang, **G.S. Li**, H.J. Zhu, J.C. Yu, X.D. Xiao, Q. Li, Vertically aligned CdTe nanotube arrays on indium tin oxide for visible-light-driven photoelectrocatalysis, *Applied Catalysis B: Environmental*, **2014**, 147, 17-21. (IF = 11.69, cited times 8)
18. W. Wei, C. Yu, Q.F. Zhao, X.F. Qian, **G.S. Li***, Y. Wan*, Synergy effect in photodegradation of contaminants from water using ordered mesoporous carbon-based titania catalyst, *Applied Catalysis B: Environmental*, **2014**, 146, 151-161. (IF = 11.69, cited times 22)
19. D.Q. Zhang*, M.C. Wen, S.S. Zhang, P.J. Liu, W. Zhu, **G.S. Li**, H.X. Li*, Au nanoparticles enhanced rutile TiO₂ nanorod bundles with high visible-light photocatalytic performance for NO oxidation, *Applied Catalysis B: Environmental*, **2014**, 147, 610-616. (IF = 11.69, cited times 65)
20. J.G. Yu, C. Trapalis, P.Y. Zhang, **G.S. Li**, H.G. Yu, Environmental Photocatalysis 2013, Editorial, *International Journal of Photoenergy*, **2013**, DOI: 10.1155/2013/786806. (IF = 1.563, cited times 2)
21. W. Wei, C. Yu, Q.F. Zhao, **G.S. Li**, Y. Wan*, "Improvement of the Visible-Light Photocatalytic Performance of TiO₂ by Carbon Mesostructures", *Chemistry- A European Journal*, **2013**, 19, 565-576. (IF = 5.317, cited times 55)
22. **G.S. Li***, L. Wu, F. Li, P.P. Xu, D.Q. Zhang, H.X. Li, "Photoelectrocatalytic Degradation of Organic Pollutants via a CdS Quantum Dots Enhanced TiO₂ Nanotube Array Electrode under Visible Light Irradiation", *Nanoscale*, **2013**, 5, 2118-2125. (IF = 7.233, **ESI highly cited paper**, cited times 134)
23. **G.S. Li***, B. Jiang, X. Li, Z.C. Lian, S.N. Xiao, J. Zhu, D.Q. Zhang, H.X. Li, "C₆₀/Bi₂TiO₄F₂ Heterojunction Photocatalysts with Enhanced Visible-Light Activity for Environmental Remediation", *ACS Applied Materials & Interfaces*, **2013**, 5, 7190-7197. (IF = 8.097, cited times 47)
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26. D.Q. Zhang, **G.S. Li**, H.X. Li*, Y.F. Lu, "The Development of Better Photocatalysts through Composition- and Structure-Engineering", *Chemistry-An Asian Journal*, **2013**, 8, 26-40. (IF = 4.14, **Feature article**, cited times 47)

27. Y. Zhang, P. Zhang, Y.N. Huo, D.Q. Zhang, G.S. Li*, H.X. Li, "Ethanol Supercritical Route for Fabricating Bimodal Carbon Modified Mesoporous TiO₂ with Enhanced Photocatalytic Capability in Degrading Phenol", *Applied Catalysis B: Environmental*, **2012**, *115*, 236-244. (IF = 11.69, cited times 32)
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Book chapters:

1. D.Q. Zhang, **G.S. Li**, J.C. Yu*, “Advanced Photocatalytic Nanomaterials for Degrading Pollutants and Generating Fuels by Sunlight”, *Energy Efficiency and Renewable Energy Through Nanotechnology*, Springer-Verlag London Limited, 2011, ISBN: 978-0-85729-637-5.
2. D.Q. Zhang, **G.S. Li***, “Al₂O₃-enhanced Macro/Mesoporous Fe/TiO₂ for Breaking Down Nitric Oxide”, *Environmental Sciences, "Chemistry, Emission Control, Radioactive Pollution and Indoor Air Quality"*, 2011, DOI: 10.5772/16766, ISBN: 978-953-307-316-3.
3. S.N. Xiao, D.Q. Zhang, **G.S. Li***, H.X. Li, “Development of Advanced Nanoarchitectures for Photocatalytic Treatment of NO_x”, *Nanostructured Photocatalysts*, Springer, 2016, DOI: 10.1007/978-3-319-26079-2_5, ISBN: 978-3-319-26079-2.

Representative publications

1. Z.C. Lian, W.C. Wang, **G.S. Li***, F.H. Tian, K.S. Schanze*, H.X. Li*, Pt-enhanced mesoporous Ti³⁺/TiO₂ with rapid bulk to surface electron transfer for photocatalytic hydrogen evolution, *ACS Applied Materials Interfaces*, **2017**, *9*, 16960-16967. (IF = 8.10, **ESI highly cited paper**, cited times 39)

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