


Brief CV

Name	Hao Peng	中文名	彭浩	
Gender	Male	Title (Pro./Dr.)	Dr.	
Position (President...)		Country	China	
University/ Department	College of Chemistry and Chemical Engineering, Yangtze Normal University			
Personal Website	https://publons.com/researcher/1749614/hao-peng/publications/			
Research Area	Hydrometallurgy, Chemical Engineering			

Brief introduction of your research experience:

★Journal Reviewer/ Editor Board Membership

Journal of hazardous materials, Hydrometallurgy, Journal of the Taiwan Institute of Chemical Engineers, Colloids and Surfaces A: Physicochemical and Engineering Aspects, Journal of Environmental Chemical Engineering.

当代化工研究 (编审)

★Project Experiences

Science and Technology Project of Chongqing, China (cstc2018jcyjAX0018),

★Publications

2019 年

- 1、 **Hao Peng***. A Literature Review of Leaching and Recovery of Vanadium. **Journal of Environmental Chemical Engineering**, 2019.
- 2、 **Hao Peng**, Liu Yang, Lilian Wang, Jing Guo, Bing Li. Recovery of Vanadium with Urea in Acidic Medium. **Environmental Chemistry Letters**, 2019.
- 3、 **Hao Peng***, Yumeng Leng, Jing Guo. Electrochemical Removal of Chromium (VI) from Wastewater. **Applied**

Sciences, 2019, 9(6): 1156.

- 4、 **Hao Peng***, Jing Guo, Gang Li, Qinzhe Cheng, Yuju Zhou, Zuohua Liu, Changyuan Tao. Highly efficient oxidation of chromium (III) with hydrogen peroxide in alkaline medium. **Water Science and Technology**, 2019, 79(2): 366-374.
- 5、 **Hao Peng***, Yumeng Leng, Qinzhe Cheng, Qian Shang, Jiancheng Shu, Jing Guo. Efficient Removal of Hexavalent chromium from Wastewater with Electro-reduction. **Processes**, 2019, 7(1), 41.
- 6、 **Hao Peng***, Feng Wang, Gang Li, Jing Guo, Bing Li. High-efficient Recovery of Vanadium and Chromium: Optimized by Response Surface Methodology. **ACS Omega**, 2019, 4 (1): 904-910.
- 7、 **Hao Peng ***, Jing Guo, Zuohua Liu, Changyuan Tao. Direct Advanced Oxidation Process for Chromium (III) with Sulfate Free Radicals. **SN Applied Sciences**, 2019, 1: 14.
- 8、 **Hao Peng***, Jing Guo, Yuju Zhou, Xianbin Li, Liu Yang, Yumeng Leng, Jiang Guo, Hengxin Zhao. Secondary Leaching of Vanadium from Vanadium Tailing Intensified with CaF₂. 2019 , **IOP Conference Series: Earth and Environmental Science**, 2019, 233, 042048.
- 9、 **彭浩***, 吴倩, 王李连, 李港, 周玉桔, 成钦哲, 刘作华, 陶长元. 高铬钒渣浸出行为研究。 **钢铁钒钛**, 2019, 40(2): 8-12. Bing Li, **Hao Peng***, Jing Guo. Effect of Surfactant on Water Content of Phosphogypsum. **Applied Sciences**, 2019, 9(8): 1684.
- 10、 Jiancheng Shu, Haiping Wu, Mengjun Chen, **Hao Peng**, Bing Li, Renlong Liu, Zuohua Liu, Bin Wang, Teng Huang, Zhibo Hu. Fractional removal of manganese and ammonia nitrogen from electrolytic metal manganese residue leachate using carbonate and struvite precipitation. **Water Research**, 2019, 153: 229-238
- 11、 Xiaogang Zheng, Ke Wang, Zhiping Huang, Yong Liu, Jing Wen, **Hao Peng***. MgO nanosheets with N-doped carbon coating for the efficient visible-light photocatalysis. **Journal of Industrial and Engineering Chemistry**, 2019,76: 288-295.
- 12、 Xiaogang Zheng, Fuyan Kang, Yiting Mao, **Hao Peng***, Jing Wen. Carbon-coated Mg-Al layered double oxide nanosheets with enhanced removal of hexavalent chromium. **Journal of Industrial and Engineering Chemistry**, 2019. (Accepted)
- 13、 Xiaogang Zheng, Yuting Hu, Zili Li, Yang Dong, Jinyang Zhang, Jing Wen, **Hao Peng***. Sm₂O₃ nanoparticles coated with N-doped carbon for enhanced visible-light photocatalysis. **Journal of Physics and Chemistry of Solids**, 2019, 130: 180-188.
- 14、 Jie Zeng, Zili Li, **Hao Peng***, Xiaogang Zheng. Core-shell Sm₂O₃@ZnO nano-heterostructure for the visible light driven photocatalytic performance. **Colloids and Surfaces A: Physicochemical and Engineering Aspects**, 2019, 560: 244-251

- 15、 Jinyang Zhang , Fuyan Kang , **Hao Peng***, Jing Wen*, Xiaogang Zheng. Enhancing photocatalytic activity of Cu_{0.25}Zn_{0.75}S nanodisks by metallic Ag loading in visible light region. **RSC Advances**, 2019, 9(24): 13787-13796.

2018 年

- 16、 Xiaogang Zheng, Xianfen Li, **Hao Peng***, Jing Wen. Ag-decorated core-shell Sm₂O₃@TiO₂ nanocomposites with enhanced visible-light photocatalytic performance. **Journal of Physics and Chemistry of Solids**, 2018, 123: 206-215.
- 17、 **Hao Peng***, Jing Guo, Xiaogang Zheng, Zuohua Liu, Changyuan Tao. Leaching Kinetics of Vanadium from Calcification Roasting Converter Vanadium Slag in Acidic Medium. **Journal of Environmental Chemical Engineering**, 2018, 6 (4): 5119-5224.
- 18、 Xiaogang Zheng, Wendi Fu, Fuyan Kang, **Hao Peng***, Jing Wen. Enhanced photo-Fenton degradation of tetracycline using TiO₂-coated α -Fe₂O₃ core-shell heterojunction. **Journal of Industrial and Engineering Chemistry**, 2018, 68; 14-23
- 19、 **彭浩***, 郭静, 李港, 王凤, 王李连, 李兵, 刘作华, 陶长元. H₂O₂ 强化钒铬还原渣中钒和铬的浸出. **钢铁钒钛**, 2018, 39 (4): 24-29.
- 20、 Yang Qiwen, Xie Zhaoming, **Peng Hao**, Liu Zuohua, Tao Changyuan. Leaching of vanadium and chromium from converter vanadium slag intensified with surface wettability. **Journal of Central South University**, 2018, 25(6): 1317–1325.
- 21、 **Hao Peng***, Jing Guo, Bing Li*, Zuohua Liu, Changyuan Tao. High-efficient Recovery of Chromium (VI) with Lead Sulfate. **Journal of the Taiwan Institute of Chemical Engineers**, 2018, 85: 149-154.
- 22、 **Hao Peng***, Zuohua Liu, Changyuan Tao. A green method to leach vanadium and chromium from residue using NaOH-H₂O₂. **Scientific Reports**, 2018, 8 (1): 426.
- 23、 Xiaogang Zheng, Min Huang, Yaohui You, **Hao Peng***, Jing Wen. Core-shell structured α -Fe₂O₃@CeO₂ heterojunction for the enhanced visible-light photocatalytic activity. **Materials Research Bulletin**, 2018, 101: 20-28.
- 24、 Xiaogang Zheng, Wendi Fu, **Hao Peng***, Jing Wen. Preparation and characterization of Cu_xZn_{1-x}S nanodisks for the efficient visible light photocatalytic activity. **Journal of Environmental Chemical Engineering**, 2018, 6: 9-18.

2017 年

- 25、 **Hao Peng***, Zuohua Liu, Changyuan Tao. Adsorption process of vanadium with melamine. **Water, Air and Soil Pollution**, 2017, 228 (8): 272.
- 26、 **Hao Peng***, Zuohua Liu, Changyuan Tao. Electrochemical oscillation of vanadium ions in anolyte. **Journal of**

Electrochemical Science and Engineering (ESCI) , 2017, 7(3): 139-144.

- 27、 **Hao Peng***, Zuohua Liu, Changyuan Tao. Adsorption kinetics and isotherm of vanadium with melamine. **Water Science and Technology**, 2017, 75(10): 2316-2321.

2016 年

- 28、 **Hao Peng***, Zuohua Liu, Changyuan Tao. Leaching kinetics of vanadium with electro-oxidation and H₂O₂ in alkaline medium. **Energy & Fuels**, 2016, 30(9): 7802-7807.

2015 年

- 29、 **Hao Peng**, Zuohua Liu, Changyuan Tao. Selective Leaching of Vanadium from Chromium Residue Intensified by Electric Field. **Journal of Environmental Chemical Engineering**, 2015, 3: 1252–1257.

Patents

1. **彭浩**, 郭静, 成钦哲, 周玉桔, 杨柳, 赵恒新, 冷雨蒙, 李贤宾。一种废水中高价格的去除方法。中国发明专利, 201811131161.9
2. **彭浩**, 郭静, 王凤, 李港, 吴倩, 王李连, 郭江。一种低价铬渣的氧化方法。中国发明专利, 201811135593.7.
3. 陶长元,**彭浩**,刘作华,杜军,范兴,周小霞,李文生,张兴然,刘仁龙,孙大贵,唐金晶,左赵宏,谢昭明.一种从钒铬渣中分离回收钒和铬的方法.中国发明专利,ZL201410704887.2
4. 刘作华, 孙瑞祥, 陶长元, 宁伟征, **彭浩**, 周小霞, 刘仁龙, 杜军, 范兴, 牟天明, 孙大贵, 左赵宏, 曾启琴, 廖军。提高金属锰电解液浸取率的组合式搅拌浆.中国发明专利.ZL201110088762.8
5. 刘作华,李艳,陶长元,刘仁龙,**彭浩**,牟天明,周小霞,杜军,范兴,孙大贵,左赵宏,宁伟征,孙瑞祥,曾启琴.从转炉钒渣提钒后的尾渣中再次提钒的方法. 中国发明专利,201110094908.x
6. 刘作华,宁伟征,陶长元,刘仁龙,**彭浩**,孙瑞祥,周小霞,杜军,范兴,曾启琴,孙大贵,牟天明,廖军,杨再庆.使用寿命长的锰矿浆搅拌浆.中国发明专利, 201110114782.8.
7. 刘作华,宁伟征,陶长元,**彭浩**,周小霞,刘仁龙,曾启琴,杜军,范兴,孙瑞祥, 廖军,李泽全,谢昭明,孙大贵.一种搅拌槽内的挡板.中国发明专利,201110168430.0

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