毛河光团队

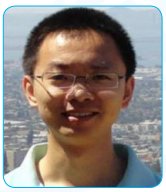
研究员
Staff Scientist

毛河光
顶尖千人，中心主任

Ho-Kwang (David) Mao
Top 1000-Talents Award, Director of HPSTAR

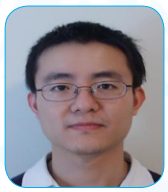
博士后 Postdoc

顾婷婷
Tingting Gu



李冰
Bing Li

吉诚
Cheng Ji



胡清扬
Qingyang Hu

曾徵丹
Zhidan Zeng

杨留响
Liuxiang Yang

刘罡
Gang Liu

孔令平
Lingping Kong

研究方向 Research Interest

地幔地核化学、地球深部物理、巨行星内部物理和化学、领先的高压技术、高压凝聚态物理、高压化学、高压晶体学和高压材料学。

Chemistry of the Earth's mantle and core; Deep Earth geophysics; Physics and chemistry of giant planetary interiors; Pioneering high pressure technology; High pressure condensed-matter physics; High pressure chemistry; High pressure crystallography and High pressure materials science.

王骞越团队

研究员
Staff Scientist

王骞越

Junyue Wang

研究方向 Research Interest

超快动力学，X 射线光谱技术（XAS，EXAFS，XES，IXS，XRS），泵浦－探测技术、能源材料

High pressure physics and technology; Synchrotron X-ray microscopy.

NCP(Nanoscale and Compression Physics) Group

研究员
Staff Scientist

陈斌
千人，上海分中心主任
Bin Chen
1000 Talents Award, Director of Shanghai Lab

陈志强
Zhiqiang Chen

博士后 Postdoc

谭大勇
Dayong Tan

洪芳
Fang Hong

岳彬彬
Binbin Yue

黄元杰
Yuanjie Huang

研究生 HPSTAR Students

周晓玲	邓 文	张凌空
Xiaoling Zhou	Wen Deng	Lingkong Zhang

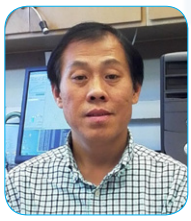
研究方向 Research Interest

高压下的二维材料；高压热电效应。

High pressure studies of 2D materials and High pressure thermoelectrics.

HPNanoPC(High Pressure Nanoscience and Physical Chemistry) Group

研究员
Staff Scientist



张衡中
Hengzhong Zhang

研究方向 Research Interest

材料热力学和动力学；纳米材料在不同温度、压力和表面环境下的结构变化；纳米材料性质和行为的压力效应；纳米材料的合成与表征；定向吸附生长纳米晶体；纳米材料的分子模拟。

Materials thermodynamics and kinetics; structure change of nanomaterials at different temperature, pressure and surface environments; effects of pressure on nanomaterial properties and behavior; nanomaterials synthesis and characterization; growth of nanocrystals via oriented attachment; molecular modelling of nanomaterials.

MREC(Multi-disciplinary Researches at Extreme Conditions) Group

研究员
Staff Scientist

王霖
青年千人

Lin Wang
Youth 1000-Talents Award

博士后 Postdoc

于振海
Zhenhai Yu

黄延伟
Yanwei Huang

裴翠颖
Cuiying Pei

Sudeshna Samanta

刘广韬
Guangtao Liu

研究生 HPSTAR Students

任向婷	李 鑫	陈凤娇	闫志鹏
Xiangting Ren	Xin Li	Fengjiao Chen	Zhipeng Yan

研究方向 Research Interest

极端条件下的材料物性（纳米材料、功能材料等）；超高压新现象（>3mbar）；极端条件下化学现象（新反应、合成等）；极端条件下原位分析新技术。

Physical properties of materials (nanomaterials, multifunctional materials etc.) at extreme conditions; Emergent phenomena at ultrahigh static pressure (>3Mbar); Chemistry (new reactions, synthesis, etc.) at extreme conditions; Development of new analytical techniques for in-situ studies at extreme conditions.

CHPR(Computational High Pressure Research) Group

研究员
Staff Scientist

DuckYoung Kim

研究方向 Research Interest

新型碳族元素（C、Si、Ge）预测；新型氢化物的形态及金属化转变；高压下材料的结构相变和超导转变。

Novel carbon-group elements (C, Si, Ge) predictions; Novel hydrides formation and insulator-metal transitions; Structural transitions and Superconductivity of materials under pressure.

HPSynR(Integrated High Pressure Synchrotron Research) Group

研究员 Staff Scientist

杨文革
千人

Wenge Yang
1000-Talents Award

博士后 Postdoc

李娜娜
Nana Li

张刚华
Ganghua Zhang

Raman Thiyagarajan

张凯
Kai Zhang

黄权
Quan Huang

张茜
Qian Zhang

韩飞
Fei Han

研究生 HPSTAR Students

晏小智	孙 菲	张林基	刘峰良
Xiaozhi Yan	Fei Sun	Linji Zhang	Fengliang Liu
赵永胜	彭 赏	徐 丛	王碧涵
Yongsheng Zhao	Shang Peng	Cong Xu	Bihan Wang

研究方向 Research Interest

用于高压研究的新型同步辐射技术（X 射线衍射、成像和光谱学）。
Novel synchrotron radiation techniques (x-ray diffraction, imaging and spectroscopy) for high pressure research.

MPMP(High pressure materials physics & mineral physics) Group

研究员
Staff Scientist

刘浩哲

Haozhe Liu

博士后 Postdoc

刘扶阳
Fuyang Liu

谢声意
Shengyi Xie

研究生 HPSTAR Students

董大伟
Dawei Dong

李仁峰
Renfeng Li

李靓靓
Liangliang Li

研究方向 Research Interest

压力引起的相变，多晶化，非晶化或再结晶；组织细化；高压下非晶材料的对分布函数（PDF）。

Pressure induced phase transitions, polyamorphization, or amorphization/re-crystallization; Structural refinement; Pair distribution function (PDF) of non-crystalline materials under pressure conditions.

生红卫团队

研究员
Staff Scientist

生红卫

Howard Sheng

研究生 HPSTAR Students

徐 亮
Liang Xu

研究方向 Research Interest

材料物理规律：包括新材料探索、低维度物理学和非晶态科学。

The primary research interest of my research group lies in the disciplines of materials physics, including materials discovery, low-dimensionality physics, and glass science.

DEEP(Deep Earth and Extreme Physics) Group

研究员
Staff Scientist

林俊孚
千人

Jung-Fu Lin
1000 Talents Award

博士后 Postdoc

张友君
Youjun Zhang

研究生 HPSTAR Students

杨宏	张成伟
Hong Yang	Chengwei Zhang

研究方向 Research Interest

矿物物理；高压物理和材料学；行星科学；高压 DAC 技术；同步辐射 X 射线光谱学；时间分辨激光光谱学
Deep Earth and extreme physics.

Shear Group

研究员
Staff Scientist

马艳章
千人

Yanzhang Ma
1000 Talents Award

博士后 Postdoc

王庆林
Qinglin Wang

张俊凯
Junkai Zhang

张艳艳
Yanyan Zhang

武晓鑫
Xiaoxin Wu

研究方向 Research Interest

压剪作用下的材料结构与性能。
Structure and properties of materials under high pressure and shear.

NMEE(Nanophase Materials in Exttreme Environments) Group

研究员
Staff Scientist

晏 浩
Hao Yan

博士后 Postdoc

李春宇
Chunyu Li

研究生 HPSTAR Students

李晓阳	阮佳佶
Xiaoyang Li	Jiaji Ruan

研究方向 Research Interest

高温高压条件下纳米材料的转化与性能。
Evolution and properties of nanomaterials through high pressure and high temperature experiments.

SCS(Strongly Correlated Superconductivity) Group

研究员
Staff Scientist

肖 宏
Hong Xiao

博士后 Postdoc

高 波
Bo Gao

许 兵
Bing Xu

工程师 Engineer

李萧江
Xiaojiang Li

研究方向 Research Interest

极端条件下强关联超导电性（低温、高压、高磁场等极端条件下重费米子超导体、碳族元素化合物、铜氧化物等强关联材料的非守恒超导电性）。

Strongly Correlated Superconductivity under Extreme Condition(Study unconventional superconductivity in strongly correlated material, including heavy fermion superconductors, pnictides and cuprates under extreme condition, low temperature, high pressure and high magnetic field).

MP(Mineral Physics) ONE Group

研究员
Staff Scientist

张莉
青年千人
Li Zhang
Youth 1000-Talents Award

博士后 Postdoc

苑洪胜
Hongsheng Yuan

侯明强
Mingqiang Hou

研究生 HPSTAR Students

黄东洋
Dongyang Huang

研究方向 Research Interest

通过高温高压实验研究地球和行星的演化和特性
Mineral physics, new materials at high pressure and temperature.

AMAT(Amorphous Materials) Group

研究员
Staff Scientist

曾桥石
青年千人
Qiaoshi Zeng
Youth 1000-Talents Award

博士后 Postdoc

楼鸿波
Hongbo Lou

研究生 HPSTAR Students

张 飞
Fei Zhang

研究方向 Research Interest

采用新型原位高温高压同步辐射 x 射线衍射、成像和光谱技术，解决非晶材料领域的重大挑战问题。
Using state-of-the-art in-situ high pressure and high temperature synchrotron radiation x-ray diffraction, imaging and spectroscopy techniques to address the great challenges in the field of amorphous materials.

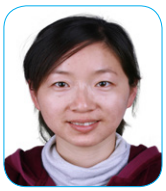
HPChem(High Pressure Chemistry) Group

研究员
Staff Scientist

李 阔
Kuo Li

郑海燕
Haiyan Zheng

博士后 Postdoc



王丽娟
Lijuan Wang

汪雅洁
Yajie Wang

董 校
Xiao Dong

孙江曼
Jiangman Sun

研究方向 Research Interest

极端条件下新型碳基材料的化学反应规律及其合成
Novel chemical reaction rules under extreme conditions and synthesis of novel carbon materials.

Ultrafast Dynamics Lab

研究员
Staff Scientist

翁祖谦
上海千人
Tsu-Chien Weng
Shanghai 1000-Talents Award

研究方向 Research Interest

超快动力学，X 射线光谱技术（XAS，EXAFS，XES，IXS，XRS），泵浦－探测技术、能源材料
Ultrafast dynamics, X-ray spectroscopy (XAS, EXAFS, XES, IXS, XRS), pump-probe techniques, and energy materials.

MSC(High Pressure Materials Synthesis and Characterization) Lab

研究员
Staff Scientist

陈久华
千人，长春分中心主任

Jiuhua Chen
1000-Talents Award, Director of Changchun Lab

博士后 Postdoc

颜丙敏
Bingyin Yan

李本仙
Benxian Li

唐瑞莲
Ruilian Tang

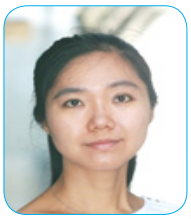
简淑樱
Su-Ying Chien

研究方向 Research Interest

矿物物理；高压物理 / 化学；超硬材料；高压技术。
Mineral physics,High pressure physics/chemistry;Superhard materials;High pressure techniques.

ADM(Advanced Diamond Materials) Laboratory

研究员
Staff Scientist



蒙宇飞

Yufei Meng

博士后 Postdoc

束海云

Haiyun Shu

研究方向 Research Interest

钻石的缺陷及对钻石形成和性能的影响。
The defects in different diamonds and their influence on properties and formation.

XS(X-Ray Scattering) Group

研究员
Staff Scientist

丁阳

Yang Ding

博士后 Postdoc

Raimundas Sereika

研究方向 Research Interest

高压下电子强关联材料的超导电性、磁性和相变。
Superconductivity, magnetism, and phase transitions in strongly correlated electron materials at high pressure.

NFM(Novel Functional Materials) Group

研究员
Staff Scientist

缑慧阳

Huiyang Gou

研究生 HPSTAR Students

万彪
Biao Wan

研究方向 Research Interest

设计原则和新型功能材料的设计、合成及应用；超硬合成、超导和能源相关的材料，材料特性以艺术的高压技术。
Exploring the design principles and synthesis of novel functional materials. There is a strong focus on design, synthesis and application of superhard, superconducting and energy-related materials, and material characterizations using state-of-art high pressure techniques.

CEP(Complex Electrons under Pressure) Group

研究员
Staff Scientist

陈晓嘉
千人

Xiaojia Chen
1000-Talents Award

博士后 Postdoc

Mahmoud Abdel-Hafiez

陈 飞
Fei Chen

工程师 Engineer

庞宏杰
Hongjie Pang

研究生 HPSTAR Students

辛 杰
Jie Xin

顾哲豪
Zhehao Gu

研究方向 Research Interest

元素、合金、有机体系、铜氧化物和铁基系统的超导电性，电磁耦合或热电功能材料
Superconductivity in elements, alloys, organic systems, and cuprates.

RTH Group

研究员
Staff Scientist

Ross Howie

博士后 Postdoc

Jack Binns

研究方向 Research Interest

超高压和高温下分子系统的性质；分子系统的高压化学，用于形成新特性材料和功能材料；高压高温下的拉曼光谱技术。
Properties of molecular systems at ultra-high pressure and extreme temperatures; High pressure chemistry of molecular systems to form materials with novel and/or useful properties; High pressure and high temperature Raman spectroscopy techniques.

综合行政办公室 Administration Office

林 杭	办公室主任	王珏雅	宣传
Hang Lin	Director of Office	Jueya Wang	Publicity
熊 信	科研管理	康蒙西	
Xin Xiong	Science Research Management	Mengxi Kang	
赵 琦	采购管理、实验室建设、千人计划	朱敏昱	财务
Qi Zhao	Purchasing, Lab construction and 1000 Talent planning	Minyu Zhu	Finance
鲁 萌	信息化建设、学术交流、行政接待	张怡雯	学生管理、外事工作
Meng Lu	Information Deployment, Seminar Organization, Administrative Reception	Yiwen Zhang	Student management and Foreign affairs
叶 雯	出纳、人事	马 倩	日常行政、检验员
Wen Ye	Accounting and HR	Qian Ma	Daily Support and Inspector
史潇楠	长春行政		
Xiaonan Shi	Changchun Office		

工程师 Engineer

熊玉勇	杨艳平
Yuyong Xiong	Yanping Yang
丁卫涛	孙明波
Weitao Ding	Mingbo Sun
庞宏杰	董洪亮
Hongjie Pang	Hongliang Dong