Curricular Vita
(Changqing JIN)

Name: Changqing JIN **Birthdate**: June 3 1965

Current Affiliation:

Professor

Team Leader of Quantum Emergent Materials by Design at Extreme Conditions

Institute of Physics Chinese Academy of Sciences (IOPCAS)

Beijing 100190, China

Tel.: 86 10 82649163; Fax: 86 10 82640223

Email: Jin@iphy.ac.cn**; URL: http://uhp.iphy.ac.cn**

The Research Topics:

*Quantum Emergent Materials (Superconductors, Diluted Magnetic Semiconductors, Mutiferroics…) by Design & Synthesis at High Pressure Extreme Conditions;

* Quantum Materials Properties at Synergetic Extreme Conditions;

* Advanced Extreme Condition Techniques for Quantum Materials Research.

Awards & Honors

2024: **Elected Fellow of European Academy of Sciences (EurASc);**

2021: **Elected Fellow of American Association for the Advancement of Sciences** (*for distinguished contributions to high temperature superconductivity, ferromagnetism in semiconductors, and their behavior under extremely high pressures, high magnetic fields, and ultra-low temperatures*);

2014: **Elected Fellow of American Physical Society** (*for pioneering high pressure synthesis of new materials & discovery of LiFeAs: "111" system of iron based superconductors*)**;**

2016: **Elected IOP Fellow** of UK (FInstP);

2015: **Prize for Condensed Matter Physics of Chinese Physics Society** (every two years with maximum 2 awardees each time) (*for Distinguished Research on High Pressure Physics of Quantum Emergent Materials & Structure Properties Evolution*);

2016(since): **Most Cited Chinese Researchers** (Elsevier);

2023: **The First Class Academic Prize of Chinese Materials Research Society** (*for the Discovery of New High Temperature Superconductors at Extreme Conditions)*;

2019: **The Chair Scientist for Innovation Research Team**(Top Research Project) Natural Science Foundation of China;

2018: **The First Class Academic Prize of Chinese Materials Research Society** (*for the Discovery of New Diluted Magnetic Semiconductor of High Curie Temperature with Independent Spin & Charge Doping*);

2016: **National Award for Excellence in Natural Science Research**
(*for New Electromagnetic Emergent Materials Created at Extreme Conditions*).
2010: **Top Cited Article of Elsevier** (2005 to 2010);
2011& 2021: **Significant Contribution Awards of ICDD**
(International Center for Diffraction Data);
1997: **Distinguished Young Scholarship** (Top Earlier Career Award in China)
1993: **The SRL Prize**(Japan)
(*for the Discovery of Cu12(n-1)n Superconductors*)
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Selected Community Services

* Chair of International Union of Crystallography (IUCr) Commission on Crystallography of Materials since Oct 2020;
* Vice President of International Association for the Advancement of High Pressure Science & Technology since Aug. 2023;
* Chair of the 26th International Conference on High Pressure Science & Technology;
* Councilor of Asian Crystallographic Association(AsCA) since Aug 2021;
* Councilor of Chinese Physics Society;
* Vice President of High Pressure Science Organization of China;
*Member of Academic Committee of Advanced Materials Union of China since June 2017);
*Deputy President of Chinese Crystallography Society (CCrS) since Nov 2016;
*Founder Chair of Commission on Crystallography of Materials at Extreme Conditions of CCrS since Aug. 2014;
*Councilor of Chinese Materials Research Society(C.MRS).

Review Panel Services

International Reviewer for Funding Agencies of USA, EU & Japan.

The Member of Selection Committee of Bridgman Award of International Association on High Pressure Science & Technology (AIRAPT); Member of the AIP Publishing Committee to search for a new Editor for Journal of Applied Physics (JAP); The Editorial Committee Member of couples of SCI Journals. The frequent Reviewer for many Scientific International Journals including Nature, Science, Nature Materials, Nature Communications, Proceeding of National Academy of Science of UAS(PNAS), Advanced Materials, Advanced Functional Materials, Advanced Electronic Materials, Angew. Chem. Int., Journal of American Chemical Society(JACS), Phys. Rev. Lett, Applied Physics Letters (APL), Phys. Rev B, Journal of Chemical Physics, Chemistry of Materials etc..

Education & Research Experiences

Ph. D: Aug, 1991, IOPCAS;

Faculty at IOPCAS since Sept, 1991: Team Head of Emergent Materials at Extreme Conditions since 1996; Full Professor since 1998.

Visiting Research Experiences:

June to Oct, 2007: Senior Visiting Professor of Finland Academy, Helsinki University of Technology(now Aalto University), Finland.Jan to March 2007: Senior Research Scientist at Institute for Materials Research of Tohoku University, Japan; Aug. 1999 to June 2000: Visiting Professor at Institute for Condensed Matter Chemistry, CNRS, France; Aug. 1993 to Aug. 1996: Visiting Researcher at Superconductivity Research Lab(SRL), International Superconductivity Technology Center(ISTEC), Japan.

Supervised Graduate Students:

Changqing JIN supervised more than thirty Ph.D students major in quantum emergent materials at extreme conditions. He also supervised tens of Post Docs on emergent materials at extreme conditions. Some of them are faculties in top Institutions or Universities in China or doing research in the leading Labs abroad.

Research Budgets PI:

Changqing JIN is PI or co PI of tens of fundamental research projects of Natural Science Foundation or Ministry of Science & Technology of China including the distinguished youth founding, the innovation team program, the key R& D projects *etc*. with amount comparable to ~10M^{+} Euro in total.

Academic Research Highlights

Changqing Jin is author or coauthor of 300+ SCI papers in Nature & Science & other peer reviewed journals(2 in Nature, 2 in Nature Physics, 18 in Nature Communications; 1 in Science Advances); **10** in PNAS, 100+ in Phys Rev Letters, Phys Rev B or the equivalents; **15** in Advanced Materials + JACS + AC, He is one of most cited Researchers since 2016 recognized by Elsevier. He was authorized 30+ International or National patents for new materials or extreme condition techniques. He delivered 100+Plenary/ Keynote/ Invited talks at flagship International Conferences including International Conference on High Pressure Science & Technology(AIRAPT), American Physics Society(APS) March Meeting, Conference of European High Pressure Group(EHPRG), Europe Materials Research Society(EMRS), Gordon Research Conference(GRC), International Low Temperature Conference(LT), Materials & Mechanisms of Superconductivity(M^{2}S), Materials Research Society(MRS) *etc*. As Chair or Co Chair Changqing Jin organized series of international conferences or symposiums on Extreme Condition Physics including the 26th International Conference on High Pressure Science & Technology(2017), EMRS(2021) *etc*.