

Rong TU(涂溶), Born on April 1st, 1972.



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Education:

September 1989 – June 1993	Wuhan University of Technology (China), Materials Science	Bachelor (Engineering)
April 1998 – March 2000	Tohoku University (Japan), Materials Science	Master (Engineering)
April 2000 – March 2003	Tohoku University (Japan), Materials Process	PhD (Engineering)

Professional Employment:

July 1993 – September 1996	Wuhan University of Technology	Research Assistant
October 1996 – March 1998	Tohoku University, Institute for Materials Research	Visiting Researcher
April 2003 – October 2004	Tohoku University, Institute for Materials Research	Researcher
November 2004 – March 2010	Tohoku University, Institute for Materials Research	Assistant Professor
April 2010 – August 2012	Tohoku University, Institute for Materials Research	Associate Professor
September 2012 – date	Wuhan University of Technology, State Key Lab of Advanced Technology for Materials Synthesis and Processing	Professor

Biography

Rong TU was born on April 1st, 1972, China. He received the bachelor degree of Engineering in June 1993 in Wuhan University of Technology, China, master degree of Engineering in March 2000 and PhD of Engineering in March 2003 in Tohoku University, Japan. He was an assistant professor and associate professor in Institute for Materials Research, Tohoku University, Japan from November 2004 to August 2012. He won the Award for Innovative Research by Japan Society of Powder and Powder Metallurgy, Hanada Research Award by Honda Memorial, Japanese-China Ceramic Science and Technology Exchange Award by Japan Society of Ceramics, etc. Since September 2012, he has been a distinguished professor as an expert of “100 Talents of Hubei” and “Chutian Scholar” of Hubei Province in State Key Laboratory of Advanced Technology for Materials Synthesis and Processing, Wuhan University of Technology, China.



He is the group leader of Films and Coatings Technology, and has mainly developed some novel vapor deposition methods, such as laser chemical vapor deposition (LCVD), metal-organic chemical vapor deposition (MOCVD), powder rotary chemical vapor deposition (PRCVD) and pulse laser deposition (PLD) to prepare a variety of oxides, carbides, nitrides for superhard coatings, bio-ceramic coatings, thermal barrier coatings, lead-free ferroelectric films, high-temperature superconductive films, automobile exhaust purification catalysts, hydrogen production catalysts, wide band semiconductive films and ionic conductive films. A part of his effort is also focused on solid state reaction including spark plasma sintering (SPS), liquid-solidification including arc melting (AM) and floating zone melting (FZ) to prepare the non-oxide ultra-hard eutectic ceramics and transparent ceramics, and so on. Over than 200 papers have been published in academic journals, such as JACerS, JECerS, App. Sur. Sci., Thin Sol. Film. and Sur. Coat. Tech., in which more than 160 papers are indexed by Science Citation Index (SCI).

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3. Hong Cheng, Mingxu Han, Jingqi Lu, Song Zhang*, Rong Tu, Takashi Goto and Lianmeng Zhang: Preparation of highly oriented β -SiC bulks by halide laser chemical vapor deposition, Journal of the European Ceramic Society, 37(2)(2017)509-515.
4. Yanhua Zhang, Fei Chen, Rong Tu, Qiang Shen, Xulong Zhang, Lianmeng Zhang: Effect of lithium ion concentration on the microstructure evolution and its association with the ionic conductivity of cubic garnet-type nominal $\text{Li}_7\text{Al}_{0.25}\text{La}_3\text{Zr}_2\text{O}_{12}$ solid electrolytes, Solid State Ionics, 284(2016)53-60.
5. Rong Tu, Nian Li, Qizhong Li, Song Zhang*, Lianmeng Zhang and Takashi Goto: Effect of microstructure on mechanical, electrical and thermal properties of $\text{B}_4\text{C}-\text{HfB}_2$ composites prepared by arc melting, Journal of the European Ceramic Society, 36(4)(2016)3929-3937.
6. Bin Li, Qi Li, Hirokazu Katsui, Takashi Goto, Rong Tu: Effect of the vacuum degree on the orientation and the microstructure of β -SiC films prepared by laser chemical vapour deposition, Materials Letters, 182(2016)81-84.
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9. Shu Yu, Rong Tu and Takashi Goto: Preparation of SiOC nanocomposite films by laser chemical vapor deposition, Journal of the European Ceramic Society, 36(3)(2016)403-409.
10. Rong Tu, Dingheng Zheng, Qingyun Sun, Mingxu Han, Song Zhang, Zhiying Hu, Takashi Goto and Lianmeng Zhang: Ultra-Fast Fabrication of<110>-Oriented β -SiC Wafers by Halide CVD, Journal of the American Ceramic Society, 99 [1] (2016) 84–88.
11. Rong Tu, Nian Li, Qizhong Li, Song Zhang, Lianmeng Zhang and Takashi Goto: Microstructure and mechanical properties of $\text{B}_4\text{C}-\text{HfB}_2-\text{SiC}$ ternary eutectic composites prepared by arc melting, Journal of the European Ceramic Society, 36(4)(2016)959–966.
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