

Photo	<i>Name</i>
	Akira Yoshikawa
	<i>Contacting Information</i>
	Professor, Advanced Crystal Engineering Division, Institute for Materials Research Tohoku University Katahira 2-1-1, Sendai, 980-8577, Japan yoshikawa@imr.tohoku.ac.jp
<i>Short CV</i>	
1994.3 B. S. in Geoscience, University of Tokyo 1996.3 M.S. in Mineralogy, University of Tokyo 1999.4 Ph.D. in Applied Chemistry, University of Tokyo 1997.9 - 2002.5 Research Associate, Institute for Materials Research, Tohoku University 2002.6 - 2003.9 Research Associate, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University 2003.10 - 2011.3 Associate Professor, Institute of Multidisciplinary Research for Advanced Materials, Tohoku University 2011.4 - Present Professor, Institute for Materials Research, Tohoku University	
<i>Research interests and activities</i>	
Crystal Chemistry, Bulk crystal growth, Shaped crystal growth, Scintillator, Piezoelectric crystal, Laser crystal International Advisory Committee of the SCINT Conference Series Associate Editor of Optical Materials (Elsevier)	
<i>Home-page and Link to research data base</i>	
http://yoshikawa-lab.imr.tohoku.ac.jp/index-e.html	
<i>Major publication</i>	
Czochralski Growth of “Tb ₃ Sc ₂ Al ₃ O ₁₂ ” Single Crystal for Faraday Rotator. [Material Research. Bulletin 37, (2002), 1-10] Yoshikawa, Akira; Kagamitani, Yuji; Pawlak, A. Drota; Sato, Hiroki; Machida, Hiroshi; Fukuda, Tsuguo	

Growth and spectroscopic analysis of Yb³⁺-doped Y₃Al₅O₁₂ fiber single crystals [Journal of Applied Physics 94(2003)5479-5488]
Yoshikawa, Akira; Boulon, Georges ; Laversenne, L.; Lebbou, L. ; Chani, V. I. ; Fukuda, Tsuguo; Collombet, A. ; Guyot, Y. ; Goutaudier, C. ; Cohen-Adad, M. T.

Challenge and study for developing of novel single crystalline optical materials using micro-pulling-down method [OPTICAL MATERIALS, 30(1)(2007) 6–10] Yoshikawa, Akira; Nikl, Martin; Boulon, Georges; Fukuda, Tsuguo

Crystal growth and VUV luminescence properties of Er³⁺- and Tm³⁺-doped LiCaAlF₆ for detectors. [OPTICAL MATERIALS, 32(9), (2010), 845-849] Yoshikawa, Akira; Yanagida, Takayuki; Yokota, Yuui; Yamaji, Akihiro; Fujimoto, Yutaka; Pejchal, Jan; Chani, Valery I.; Kawaguchi, Noriaki; Ishizu, Sumito; Fukuda, Kentaro; Suyama, Toshihisa; Nikl, Martin.

Development of Positron Emission Mammography using Pr:LuAG Scintillator -Fusion of Optical Material Study and Systems Engineering- . [OPTICAL MATERIALS, 32(10), (2010), 1294-1297] Yoshikawa, Akira; Yanagida, Takayuki; Kamada, Kei; Yokota, Yuui; Pejchal, Jan; Yamaji, Akihiro; Usuki, Yoshiyuki; Yamamoto, Seiichi; Miyake, Masayasu; Kumagai, Kazuaki; Sasaki, Katsuhisa; dos Santos, T. R.; Baba, Mamoru; Ito, Masatoshi; Takeda, Motohiro; Ohuchi, Noriaki; Nikl, Martin

Present international collaborations

University Claude Bernard Lyon 1, France
Institute of Physics AS CR, Czech Republic
General Physics Institute, Russia