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### ACADEMIC QUALIFICATIONS

Ph.D., University of Michigan, Ann Arbor, MI Biomedical Engineering, 2005  
M.S., Seoul National University, Seoul, Korea, Materials Science and Engineering, 2001  
B.S., Yonsei University, Seoul, Korea, Materials Science and Engineering, 1999

### PROFESSIONAL CAREER

2024 – present Editorial Board, Materials Science and Engineering: R: Reports, Elsevier, Netherlands  
2024 – present Associated Editor, BMEMat, Wiley, China  
2023 – present Associated Editor, VIEW, Wiley, China  
2015 – present Associate/Full Professor, SKKU, Sch. Chem. Eng., Korea  
2008 – 2015 Tenured Assist/Assoc Prof., Nanyang Tech. Univ., Sch. Chem. Biomed. Eng., Singapore  
2005 – 2008 Research Associate, Duke University, Durham, NC, Biomedical Eng.  
2006 – 2005 Postdoctorate Fellow, Univ. of Michigan, Ann Arbor, MI, Biomedical Eng.

### SELECTED PUBLICATIONS

S Cho+, SM Shaban+, R Song+, H Zhang+, D Yang+, MJ Kim, Y Xiong, X Li, K Madsen, S Wapnick, S Zhang, Z Chen, JW Kim, G Guinto, M Li, MK Lee, RF Nuxoll, S Shajari, J Wang, SE Son, JH Shin, AJ Aranyosi, DE Wright, TI Kim, R Ghaffari, Y Huang*, DH Kim*, JA Rogers*, "A skin-interfaced microfluidic platform supports dynamic sweat biochemical analysis during exercise"	<b>Science Translational Medicine</b> , 16(763), September 2024
C Kim+, DG Roe+, DU Lim+, YY Choi, MS Kang, DH Kim*, JH Cho*, "Toward Human-like Adaptability in Robotics Through a Retention-Engineered Synaptic Control System"	<b>Science Advances</b> , 10(26), June 2024
BI Park, JK Kim, KY Lu*, X Zhang, SH Lee, JM Suh, DH Kim*, HS Kim*, JH Kim*, "Remote Epitaxy: Fundamentals, Challenges, and Opportunities"	<b>Nano Letters</b> , 24(10), 2939, Mar 2024
D Kim, M Safdari, SW Lee, C Liu, Y Yang, SD Namgung, E Sargent, M Hersam, DH Kim*, M Kanatzidis*, "Enhanced Photostability of "Hollow" Mixed Halide Wide Bandgap Perovskite Films"	<b>ACS Energy Letters</b> , 8, 5221 Nov 2023
CS Chang, KS Kim, BI Park, JH Choi+, HS Kim, JS Jeong, M Barone, N Parker, SH Lee, X Zhang, K Lu, JM Suh, JK Kim, DY Lee, NM Han, MG Moon, YS Lee, DH Kim*, D Schlom*, YJ Hong*, JH Kim*, "Remote epitaxial interaction through graphene"	<b>Science Advances</b> 9(42), Oct 2023
HH Cho+, R Dutta+, JK Kwak+, CG Moon+, MJ Kim, SJ Suh, DH Kim*, JH Lee*, SK Kim*, "Digital Colorimetric Sensing for Real-time Gas Monitoring for Smart Green Energy System"	<b>EcoMat</b> e12389, June 2023
SM Shaban, SB Jo, E Hafez, JH Cho*, DH Kim*, "A Comprehensive Overview on Alkaline Phosphatase Targeting and Reporting Assays"	<b>Coordination Chemistry Reviews</b> 465, 214567, Aug 2022
BS Moon, TK Lee, WC Jeon, SK Kwak, YJ Kim*, DH Kim*, "Continuous-wave upconversion lasing with sub-10 W cm <sup>-2</sup> threshold enabled by atomic disorder in host matrix"	<b>Nature Communications</b> 12, 4437, Jul, 2021
Z Wang, JH Shin, JH Park, HH Lee, DH Kim*, H Liu*, "Engineering Materials for Electrochemical Sweat Sensing"	<b>Advanced Functional Materials</b> 30, 2008130, Mar. 2021
Moon BS, Kim HE, and Kim DH*, "Ultrafast Single-band Upconversion Luminescence in a Liquid-quenched Amorphous Matrix"	<b>Advanced Materials</b> 30 (25), 2018