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Degree	<ul style="list-style-type: none"> • 1983 Seoul Natl Univ. Dept of Chemical Education (BA) • 1985 Seoul Natl Univ. Dept of Chemistry (MS) • 1993 Michigan State Univ. Dept of Chemistry (PhD)
Experience	<ul style="list-style-type: none"> • 1995~present Incheon Natl Univ. Professor • 2011~2013 ISEP(Incheon Science Elite Program) Director • 1993~1994 Michigan State Univ. Research Fellow • 1986~1988 KIST(Korea Institute of Science and Technology) Researcher
Major Teaching	<ul style="list-style-type: none"> • Inorganic Chemistry, Synthetic Solid State Chemistry, X-ray Crystallography • Inorganic Chemistry(1), Inorganic Chemistry(2), Inorganic Chemistry Lab, Solid State Chemistry
Representative Research	<ul style="list-style-type: none"> • 'Counterion Effects in Pd Polyselenides: Evolution from Molecular to Three-Dimensional Framework Structures' J. Am. Chem. Soc. 1998, 120, 8124. • 'Isolation of the Hexathioorthoxalate [C₂S₆]⁶⁻ Ligand in the Complexes α- and β-[Pd₆(C₂S₆)(S₃)₆]⁶⁻ and [Pd₆(C₂S₆)(S₃)₄(S₄)₂]⁶⁻' J. Am. Chem. Soc. 1995, 117, 5606.
Researches	<p><Dissertation> Late Transition Metal Polychalcogenides: Synthesis, Structure, and Applications</p> <ul style="list-style-type: none"> • 'Crystal structure of bis(N,N,N-trimethylethanaminium) poly[bis(μ₂-heptaselenido-κ²Se¹,Se⁷)palladate(II)], C₁₀H₂₈N₂PdSe₁₄' Z. Kristallogr. NCS 2017, 232(6), 995. • 'Crystal structure of bis(N,N,N-ethyltrimethylethanaminium) bis(heptaselenido-κ²Se¹,Se⁷)palladate(II), C₁₂H₃₂N₂PdSe₁₄' Z. Kristallogr. NCS 2017, 232(6), 965. • 'Crystal structure of bis(ethanaminium) poly[bis(hexaselenido-κ²Se¹,Se⁶)palladate(II)], C₄H₁₆N₂PdSe₁₂' Z. Kristallogr. NCS 2016, 231(3), 933. • 'Crystal structure of dirubidium trimercury(II) tetraselenide, Rb₂Hg₃Se₄' Z. Kristallogr. NCS 2016, 231(1), 299. • Regeneration Method of Waste Processing Oil Used in the Cold Former, Kor. Patent 10-1840728, 2018 • Method for refining silicon waste sludge, Kor. Patent 10-1551546, 2015
Current Research	<ul style="list-style-type: none"> • Solution and Solvothermal Synthetic Approaches to Metal-Chalcogenides • Regeneration of Si and Other Valuable Wastes