

# Chul-hong Park

## List of Publications by Year in descending order

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22  
papers

952  
citations

933447

10  
h-index

752698

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1210  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of diluted magnetic semiconductor: Co-doped ZnO. Applied Physics Letters, 2002, 81, 4020-4022.	3.3	641
2	Ferroelectric properties of Li-doped BaTiO <sub>3</sub> ceramics. Journal of the American Ceramic Society, 2018, 101, 3597-3604.	3.8	57
3	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514.	3.3	50
4	Abnormal drop in electrical resistivity with impurity doping of single-crystal Ag. Scientific Reports, 2014, 4, 5450.	3.3	33
5	Ferromagnetic Weyl Fermions in Two-Dimensional Layered Electride $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Gd} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{As} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{C} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:math} \rangle \rangle \rangle \rangle \rangle \rangle \rangle$ . Physical Review Letters, 2020, 125, 187203.	7.8	1
6	Phase Transition and Large Electrostrain in Lead-free Li-doped (Ba, Ca)(Ti, Zr)O <sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2016, 99, 2170-2174.	3.8	31
7	Conductive and ferromagnetic contributions of H in ZnCoO using H <sub>2</sub> hot isostatic pressure. Applied Physics Letters, 2012, 100, 112403.	3.3	18
8	Theoretical prediction of Weyl fermions in the paramagnetic electride Y <sub>2</sub> C. Physical Review B, 2019, 99, .	3.2	18
9	Stacking-sequence-independent band structure and shear exfoliation of two-dimensional electride materials. Physical Review B, 2016, 94, .	3.2	17
10	First-principle study of electronic structure of Sn-doped amorphous In <sub>2</sub> O <sub>3</sub> and the role of O-deficiency. Current Applied Physics, 2012, 12, S25-S28.	2.4	11
11	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO <sub>2</sub> . ACS Applied Materials & Interfaces, 2021, 13, 54124-54132.	8.0	9
12	Hydrogen-induced anomalous Hall effect in Co-doped ZnO. New Journal of Physics, 2014, 16, 073030.	2.9	7
13	Formation of ferromagnetic Co-H-Co complex and spin-polarized conduction band in Co-doped ZnO. Scientific Reports, 2017, 7, 11101.	3.3	7
14	Comparative Chemico-Physical Analyses of Strain-Free GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As Quantum Dots Grown by Droplet Epitaxy. Nanomaterials, 2020, 10, 1301.	4.1	6
15	Contrasting diffusion behaviors of O and F atoms on graphene and within bilayer graphene. Physical Chemistry Chemical Physics, 2017, 19, 9107-9112.	2.8	4
16	Influence of defects on the photocatalytic behavior of La <sup>3+</sup> ions doped SrBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> ferroelectric materials. Journal of Applied Physics, 2019, 125, .	2.5	4
17	A study of the density of states of ZnCoO:H from resistivity measurements. RSC Advances, 2018, 8, 9895-9900.	3.6	3
18	Self-consistent GW calculation of the electronic structure of co-doped ZnO. Journal of the Korean Physical Society, 2012, 60, 292-296.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Gate voltage-dependent magnetoresistance of Zn <sub>0.8</sub> Co <sub>0.2</sub> O:H. RSC Advances, 2016, 6, 97555-97559.	3.6	1
20	Magnetic domains in H-mediated Zn <sub>0.9</sub> Co <sub>0.1</sub> O microdisk arrays. RSC Advances, 2016, 6, 57375-57379.	3.6	1
21	Shallow n-type doping by transition-metal impurities (Hf, Zr, or Ti) in amorphous In <sub>2</sub> O <sub>3</sub> . Journal of the Korean Physical Society, 2012, 61, 933-937.	0.7	0
22	Ab-initio study of pressure effects and hydrogen impurity in HgO. Journal of the Korean Physical Society, 2016, 68, 1476-1480.	0.7	0