Chul-hong Park

List of Publications by Year
in descending order

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	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO₂. ACS Applied Materials & Interfaces, 2021, 13, 54124-54132.	8.0	9
2	Comparative Chemico-Physical Analyses of Strain-Free GaAs/Al0.3Ga0.7As Quantum Dots Grown by Droplet Epitaxy. Nanomaterials, 2020, 10, 1301.	4.1	6
3	Ferromagnetic Weyl Fermions in Two-Dimensional Layered Electride <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Gd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:math>. Physical Review Letters, 2020, 125, 187203.	7.8	38
4	Theoretical prediction of Weyl fermions in the paramagnetic electride Y2C. Physical Review B, 2019, 99, .	3.2	18
5	Influence of defects on the photocatalytic behavior of La3+ ions doped SrBi2Nb2O9 ferroelectric materials. Journal of Applied Physics, 2019, 125, .	2.5	4
6	Ferroelectric properties of Liâ€doped BaTiO₃ ceramics. Journal of the American Ceramic Society, 2018, 101, 3597-3604.	3.8	57
7	A study of the density of states of ZnCoO:H from resistivity measurements. RSC Advances, 2018, 8, 9895-9900.	3.6	3
8	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
9	Formation of ferromagnetic Coâ€“Hâ€“Co complex and spin-polarized conduction band in Co-doped ZnO. Scientific Reports, 2017, 7, 11101.	3.3	7
10	Phase Transition and Large Electrostrain in Leadâ€Free Liâ€Doped (Ba, Ca)(Ti, Zr)O₃ Ceramics. Journal of the American Ceramic Society, 2016, 99, 2170-2174.	3.8	31
11	Ab-initio study of pressure effects and hydrogen impurity in HgO. Journal of the Korean Physical Society, 2016, 68, 1476-1480.	0.7	0
12	Stacking-sequence-independent band structure and shear exfoliation of two-dimensional electride materials. Physical Review B, 2016, 94, .	3.2	17
13	Gate voltage-dependent magnetoresistance of Zn_{0.8}Co_{0.2}O:H. RSC Advances, 2016, 6, 97555-97559.	3.6	1
14	Magnetic domains in H-mediated Zn0.9Co0.1O microdisk arrays. RSC Advances, 2016, 6, 57375-57379.	3.6	1
15	Hydrogen-induced anomalous Hall effect in Co-doped ZnO. New Journal of Physics, 2014, 16, 073030.	2.9	7
16	Abnormal drop in electrical resistivity with impurity doping of single-crystal Ag. Scientific Reports, 2014, 4, 5450.	3.3	33
17	Conductive and ferromagnetic contributions of H in ZnCoO using H₂ hot isostatic pressure. Applied Physics Letters, 2012, 100, 112403.	3.3	18
18	Shallow n-type doping by transition-metal impurities (Hf, Zr, or Ti) in amorphous In2O3. Journal of the Korean Physical Society, 2012, 61, 933-937.	0.7	0

#	Article	IF	Citations
19	First-principle study of electronic structure of Sn-doped amorphous In2O3 and the role of O-deficiency. Current Applied Physics, 2012, 12, S25-S28.	2.4	11
20	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
21	Reversible ferromagnetic spin ordering governed by hydrogen in Co-doped ZnO semiconductor. Applied Physics Letters, 2009, 95, 172514.	3.3	50
22	Study of diluted magnetic semiconductor: Co-doped ZnO. Applied Physics Letters, 2002, 81, 4020-4022.	3.3	641