

Charge carrier separation induced by intrinsic surface s

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Local-Strain-Induced Charge Carrier Separation and Electronic Structure Modulation in Zigzag ZnO Nanotubes: Role of Built-In Polarization Electric Field. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2381-2385.	1.5	15
2	Unusual nonlinear strain dependence of valence-band splitting in ZnO. <i>Physical Review B</i> , 2012, 86, .	1.1	11
3	Size-Dependent Bandgap Modulation of ZnO Nanowires by Tensile Strain. <i>Nano Letters</i> , 2012, 12, 4595-4599.	4.5	173
4	Emergent properties and trends of a new class of carbon nanocomposites: graphene nanoribbons encapsulated in a carbon nanotube. <i>Nanoscale</i> , 2013, 5, 3306.	2.8	12
5	Piezoelectric properties of zinc oxide nanowires: an <i>ab initio</i> study. <i>Nanotechnology</i> , 2013, 24, 475401.	1.3	20
6	Tunable electronic properties of ZnO nanowires and nanotubes under a transverse electric field. <i>Journal of Applied Physics</i> , 2013, 113, 034301.	1.1	10
7	Strain effects in a single ZnO microwire with wavy configurations. <i>Nanotechnology</i> , 2013, 24, 455703.	1.3	6
8	Oxygen induced strained ZnO nanoparticles: an investigation of Raman scattering and visible photoluminescence. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7264-7274.	2.7	30
9	Theoretical studies of geometry asymmetry in tellurium nanostructures: intrinsic dipole, charge separation, and semiconductor-metal transition. <i>RSC Advances</i> , 2014, 4, 44004-44010.	1.7	2
10	Achieving Type I, II, and III Heterojunctions Using Functionalized MXene. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 7163-7169.	4.0	120
11	Enhanced photo-collection in single BiFeO <sub>3</sub> nanowire due to carrier separation from radial surface field. <i>Nano Energy</i> , 2015, 13, 240-248.	8.2	30
12	Electronic structures of in-plane two-dimensional transition-metal dichalcogenide heterostructures. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 29380-29386.	1.3	34
13	Improvement in the Piezoelectric Performance of a ZnO Nanogenerator by a Combination of Chemical Doping and Interfacial Modification. <i>Journal of Physical Chemistry C</i> , 2016, 120, 6971-6977.	1.5	76
14	Lattice Strain Induced Remarkable Enhancement in Piezoelectric Performance of ZnO-Based Flexible Nanogenerators. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1381-1387.	4.0	135
15	Diameter Tuning of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Nanowires Using Chemical Vapor Deposition Technique. <i>Nanoscale Research Letters</i> , 2017, 12, 184.	3.1	30
16	Uniaxial strain-modulated electronic structures of CdX ( <i>X</i> = S, Se, Te) from first-principles calculations: A comparison between bulk and nanowires. <i>Chinese Physics B</i> , 2017, 26, 087103.	0.7	1
17	Tunable Strain in Magnetoelectric ZnO Microrod Composite Interfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25571-25577.	4.0	13
18	Two-dimensional Janus PtSSe for photocatalytic water splitting under the visible or infrared light. <i>Journal of Materials Chemistry A</i> , 2019, 7, 603-610.	5.2	268

#	ARTICLE	IF	CITATIONS
19	Strain gradient induced spatially indirect excitons in single crystalline ZnO nanowires. <i>Nanoscale</i> , 2020, 12, 19083-19087.	2.8	6
20	Nanoscale mapping of surface strain in tapered nanorods using confocal photoluminescence spectroscopy. <i>Nanotechnology</i> , 0, , .	1.3	0
21	Penta-BCN monolayer: a metal-free photocatalyst with a high carrier mobility for water splitting. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 26863-26869.	1.3	1