# Ken C Pradel

List of Publications by Year
in descending order



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|---|---|---|---|
| 17 papers | 1,358 citations | 840585 11 h-index | 940416 16 g-index |
| 18 all docs | 18 docs citations | 18 times ranked | 2179 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Three-dimensional radial junction solar cell based on ordered silicon nanowires. Nanotechnology, 2019, 30, 344001. | 1.3 | 10 |
| 2 | Hole gas accumulation in Si/Ge coreâ€“shell and Si/Ge/Si coreâ€“double shell nanowires. Nanoscale, 2018, 10, 21062-21068. | 2.8 | 15 |
| 3 | Investigation of nanoscale voids in Sb-doped p-type ZnO nanowires. Nanotechnology, 2018, 29, 335204. | 1.3 | 12 |
| 4 | Domain structures and Prco antisite point defects in double-perovskite PrBaCo2O5+Î´ and PrBa0.8Ca0.2Co2O5+Î´. Ultramicroscopy, 2018, 193, 64-70. | 0.8 | 10 |
| 5 | Low-temperature hydrothermally grown 100ÂÎ¼m vertically well-aligned ultralong and ultradense ZnO nanorod arrays with improved PL property. Journal of Alloys and Compounds, 2017, 702, 700-709. | 2.8 | 27 |
| 6 | In-situ Transmission Electron Microscopy Study of Oxygen Vacancy Ordering and Dislocation Annihilation in Undoped and Sm-doped CeO2 Ceramics During Redox Processes. Microscopy and Microanalysis, 2017, 23, 1626-1627. | 0.2 | 0 |
| 7 | Pencil-shaped silicon nanowire synthesis and photovoltaic application. Japanese Journal of Applied Physics, 2017, 56, 085201. | 0.8 | 12 |
| 8 | In-situ transmission electron microscopy study of oxygen vacancy ordering and dislocation annihilation in undoped and Sm-doped CeO2 ceramics during redox processes. Journal of Applied Physics, 2016, 120, . | 1.1 | 15 |
| 9 | In situ transmission electron microscopy observation of ZnO polar and non-polar surfaces structure evolution under electron beam irradiation. Journal of Applied Physics, 2016, 119, . | 1.1 | 16 |
| 10 | Solution derived p-ZnO/n-Si nanowire heterojunctions for photodetection. Chemical Physics Letters, 2016, 658, 158-161. | 1.2 | 20 |
| 11 | Optoelectronic Properties of Solution Grown ZnO n-p or p-n Coreâ€“Shell Nanowire Arrays. ACS Applied Materials & Interfaces, 2016, 8, 4287-4291. | 4.0 | 42 |
| 12 | A Flexible, Stretchable and Shapeâ€Adaptive Approach for Versatile Energy Conversion and Selfâ€Powered Biomedical Monitoring. Advanced Materials, 2015, 27, 3817-3824. | 11.1 | 227 |
| 13 | Networks of Triboelectric Nanogenerators for Harvesting Water Wave Energy: A Potential Approach toward Blue Energy. ACS Nano, 2015, 9, 3324-3331. | 7.3 | 509 |
| 14 | Quantifying mean inner potential of ZnO nanowires by off-axis electron holography. Micron, 2015, 78, 67-72. | 1.1 | 8 |
| 15 | Solution-Derived ZnO Homojunction Nanowire Films on Wearable Substrates for Energy Conversion and Self-Powered Gesture Recognition. Nano Letters, 2014, 14, 6897-6905. | 4.5 | 123 |
| 16 | A theoretical study of grating structured triboelectric nanogenerators. Energy and Environmental Science, 2014, 7, 2339-2349. | 15.6 | 194 |
| 17 | Piezotronic Effect in Solution-Grown p-Type ZnO Nanowires and Films. Nano Letters, 2013, 13, 2647-2653. | 4.5 | 118 |