

# 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	Networks of Triboelectric Nanogenerators for Harvesting Water Wave Energy: A Potential Approach toward Blue Energy. ACS Nano, 2015, 9, 3324-3331.	7.3	509
2	A Flexible, Stretchable and Shape-Adaptive Approach for Versatile Energy Conversion and Self-Powered Biomedical Monitoring. Advanced Materials, 2015, 27, 3817-3824.	11.1	227
3	A theoretical study of grating structured triboelectric nanogenerators. Energy and Environmental Science, 2014, 7, 2339-2349.	15.6	194
4	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
5	Piezotronic Effect in Solution-Grown p-Type ZnO Nanowires and Films. Nano Letters, 2013, 13, 2647-2653.	4.5	118
6	Optoelectronic Properties of Solution Grown ZnO n-p or p-n Core-Shell Nanowire Arrays. ACS Applied Materials & Interfaces, 2016, 8, 4287-4291.	4.0	42
7	Low-temperature hydrothermally grown 100-Å 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
8	Solution derived p-ZnO/n-Si nanowire heterojunctions for photodetection. Chemical Physics Letters, 2016, 658, 158-161.	1.2	20
9	<i>In situ</i> 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	<i>In-situ</i> transmission electron microscopy study of oxygen vacancy ordering and dislocation annihilation in undoped and Sm-doped CeO <sub>2</sub> ceramics during redox processes. Journal of Applied Physics, 2016, 120, .	1.1	15
11	Hole gas accumulation in Si/Ge core-shell and Si/Ge/Si core-double shell nanowires. Nanoscale, 2018, 10, 21062-21068.	2.8	15
12	Pencil-shaped silicon nanowire synthesis and photovoltaic application. Japanese Journal of Applied Physics, 2017, 56, 085201.	0.8	12
13	Investigation of nanoscale voids in Sb-doped p-type ZnO nanowires. Nanotechnology, 2018, 29, 335204.	1.3	12
14	Domain structures and Prco antisite point defects in double-perovskite PrBaCo <sub>2</sub> O <sub>5+δ</sub> and PrBa <sub>0.8</sub> Ca <sub>0.2</sub> Co <sub>2</sub> O <sub>5+δ</sub> . Ultramicroscopy, 2018, 193, 64-70.	0.8	10
15	Three-dimensional radial junction solar cell based on ordered silicon nanowires. Nanotechnology, 2019, 30, 344001.	1.3	10
16	Quantifying mean inner potential of ZnO nanowires by off-axis electron holography. Micron, 2015, 78, 67-72.	1.1	8
17	In-situ Transmission Electron Microscopy Study of Oxygen Vacancy Ordering and Dislocation Annihilation in Undoped and Sm-doped CeO <sub>2</sub> Ceramics During Redox Processes. Microscopy and Microanalysis, 2017, 23, 1626-1627.	0.2	0