

Tunable Photoconduction Sensitivity and Bandwidth for Nanocrystalline Cadmium Selenide Nanowires

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nucleation and Growth of Extremely Thin CdSe Films Electrodeposited from Near-Neutral Electrolytes. <i>Journal of the Electrochemical Society</i> , 2012, 159, D605-D610.	1.3	10
2	On-Surface Formation of Metal Nanowire Transparent Top Electrodes on CdSe Nanowire Array-Based Photoconductive Devices. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 3157-3162.	4.0	22
3	High-Throughput Fabrication of Photoconductors with High Detectivity, Photosensitivity, and Bandwidth. <i>ACS Nano</i> , 2012, 6, 5627-5634.	7.3	25
4	Field-Effect Transistors from Lithographically Patterned Cadmium Selenide Nanowire Arrays. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4445-4452.	4.0	11
5	Tuning Electrical and Optoelectronic Properties of Single Cadmium Telluride Nanoribbon. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9202-9208.	1.5	15
6	Self-powered high performance photodetectors based on CdSe nanobelt/graphene Schottky junctions. <i>Journal of Materials Chemistry</i> , 2012, 22, 2863.	6.7	115
7	Growth and Device Application of CdSe Nanostructures. <i>Advanced Functional Materials</i> , 2012, 22, 1551-1566.	7.8	122
8	Synthesis and characterization of CdSe nanocrystalline thin films deposited by chemical bath deposition. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1592-1598.	1.9	40
9	Electroluminescent, Polycrystalline Cadmium Selenide Nanowire Arrays. <i>ACS Nano</i> , 2013, 7, 9469-9479.	7.3	9
10	Electrodeposited Light-Emitting Nanojunctions. <i>Chemistry of Materials</i> , 2013, 25, 623-631.	3.2	5
11	High gain single GaAs nanowire photodetector. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	63
12	Large photoresponse of Cu:7,7,8,8-tetracyanoquinodimethane nanowire arrays formed as aligned nanobridges. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	28
13	Urchin-like CdS/ZrO ₂ nanocomposite prepared by microwave-assisted hydrothermal combined with ion-exchange and its multimode photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	16
14	Single CuTCNQ charge transfer complex nanowire as ultra high responsivity photo-detector. <i>Optics Express</i> , 2014, 22, 4944.	1.7	28
15	Ultrahigh Responsivity of Ternary Sb ³⁺ -Bi ³⁺ -Se Nanowire Photodetectors. <i>Advanced Functional Materials</i> , 2014, 24, 3581-3586.	7.8	37
16	Facile fabrication of ultralong nanobelts of positively charged PTCDI for high-performance photodetectors. <i>Materials Research Express</i> , 2014, 1, 035032.	0.8	4
17	Large-scale, solution-phase growth of semiconductor nanocrystals into ultralong one-dimensional arrays and study of their electrical properties. <i>Nanoscale</i> , 2014, 6, 6828-6836.	2.8	4
18	Facile fabrication and optoelectronic properties of platinum octaethylporphyrin microsheets. <i>RSC Advances</i> , 2014, 4, 47325-47328.	1.7	4

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19	Fabrication of large-area PbSe films at the organic/aqueous interface and their near-infrared photoresponse. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6283.	2.7	10
20	Electrodeposited Nanophotonics. <i>Journal of Physical Chemistry C</i> , 2014, 118, 17179-17192.	1.5	11
21	Surface plasmon propelled high-performance CdSe nanoribbons photodetector. <i>Optics Express</i> , 2015, 23, 12979.	1.7	42
22	A 30 μm Coaxial Nanowire Photoconductor Enabling Orthogonal Carrier Collection. <i>Nano Letters</i> , 2015, 15, 5861-5867.	4.5	5
23	Optoelectronic properties of semiconductor nanowires. , 2015, , 327-363.		15
24	Cathodoluminescence and Photoconductive Characteristics of Single-Crystal Ternary CdS/CdSe/CdS Biaxial Nanobelts. <i>Small</i> , 2015, 11, 1531-1536.	5.2	14
25	Fabrication and Photo-Detecting Performance of 2D ZnO Inverse Opal Films. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 259.	1.3	9
26	Electrodeposited, Transverse Nanowire Electroluminescent Junctions. <i>ACS Nano</i> , 2016, 10, 8233-8242.	7.3	8
27	Performance-Enhancing Broadband and Flexible Photodetectors Based on Perovskite/ZnO Nanowire Hybrid Structures. <i>Advanced Optical Materials</i> , 2017, 5, 1700206.	3.6	96
28	Periodic voltammetry as a successful technique for synthesizing CdSe semiconductor films for photo-electrochemical application. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 3083-3091.	1.2	9
29	Light-directed growth of metal and semiconductor nanostructures. <i>Journal of Materials Chemistry C</i> , 2017, 5, 5628-5642.	2.7	19
30	Guided CdSe Nanowires Parallely Integrated into Fast Visible-Range Photodetectors. <i>ACS Nano</i> , 2017, 11, 213-220.	7.3	72
31	One-step synthesis of CdSe nanotubes with novel hollow tubular structure as high-performance active material for photodetector. <i>Journal of Alloys and Compounds</i> , 2017, 726, 214-220.	2.8	14
32	A high-performance fully nanostructured individual CdSe nanotube photodetector with enhanced responsivity and photoconductive gain. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7057-7066.	2.7	20
33	Single crystalline Sb ₂ Se ₃ nanowires for self-powered, broadband photodetectors covering mid-infrared. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	14
34	Wavelength-Controlled Photodetector Based on Single CdSSe Nanobelt. <i>Nanoscale Research Letters</i> , 2018, 13, 171.	3.1	15
35	High-performance ultra-violet phototransistors based on CVT-grown high quality SnS ₂ flakes. <i>Nanoscale Advances</i> , 2019, 1, 3973-3979.	2.2	29
36	Solution-Processed Transparent Sn ⁴⁺ -Doped CuI Hybrid Photodetectors with Enhanced Performances. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900669.	1.9	36

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37	1D ZnSSe/ZnSe Axial Heterostructure and its Application for Photodetectors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800770.	2.6	16
38	Cadmium selenide nanowires from growth to applications. <i>Materials Research Express</i> , 2019, 6, 122007.	0.8	8
39	Improving the Photoresponse Properties of CdSe Quantum Wires by Alignment and Ligand Exchange. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1192-1200.	4.0	3
40	Liquid Alloy-Assisted Growth of 2D Ternary Ga ₂ In ₄ S ₉ toward High-Performance UV Photodetection. <i>Advanced Materials</i> , 2019, 31, e1806306.	11.1	90
41	Rose spherical structure Ag ₂ S/ZnIn ₂ S ₄ /ZnS composites with visible light response: Enhanced photodegradation and hydrogen production performance. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109148.	1.9	21
42	2D Silicon-Based Semiconductor Si ₂ Te ₃ toward Broadband Photodetection. <i>Small</i> , 2021, 17, e2006496.	5.2	19
43	Ultraviolet photodetector based on p-borophene/n-ZnO heterojunction. <i>Nanotechnology</i> , 2021, 32, 505606.	1.3	18
44	Optimization of different temperature annealed nanostructured CdSe thin film for photodetector applications. <i>Optical Materials</i> , 2021, 122, 111706.	1.7	21
45	Investigation of light-matter interaction in single vertical nanowires in ordered nanowire arrays. <i>Nanoscale</i> , 2022, 14, 3527-3536.	2.8	6
46	In-Depth Investigation of Photoresponse Properties Versus Illumination and Bias Conditions in $\tilde{\Gamma}$ -Ga ₂ O ₃ Solar-Blind Photodetectors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
47	A photoelectric synapse based on optimized perovskite CH ₃ NH ₃ PbBr ₃ quantum dot film detectors. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
48	Self-powered p-CuI/n-GaN heterojunction UV photodetector based on thermal evaporated high quality CuI thin film. <i>Optics Express</i> , 2022, 30, 29749.	1.7	6
49	Improved response speed of $\tilde{\Gamma}^2$ -Ga ₂ O ₃ solar-blind photodetectors by optimizing illumination and bias. <i>Materials and Design</i> , 2022, 221, 110917.	3.3	28
50	Colossal Vacancy Effect of 2D CuInP ₂ S ₆ Quantum Dots for Enhanced Broadband Photodetection. <i>Crystal Growth and Design</i> , 2023, 23, 1259-1268.	1.4	5
51	Vertical Architecture Solution-Processed Quantum Dot Photodetectors with Amorphous Selenium Hole Transport Layer. <i>ACS Photonics</i> , 2023, 10, 134-146.	3.2	1
52	CdSe -Based Photodetectors for Visible-NIR Spectral Region. , 2023, , 231-250.		0