Gary Hodes

List of Publications by Year
in descending order

183 papers	22,671 citations	10986 71 h-index	8167 148 g-index
190 all docs	190 docs citations	190 times ranked	20248 citing authors

#	Article	IF	Citations
1	In Operando, Photovoltaic, and Microscopic Evaluation of Recombination Centers in Halide Perovskite-Based Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 34171-34179.	8.0	4
2	2D Pbâ€Halide Perovskites Can Selfâ€Heal Photodamage Better than 3D Ones. Advanced Functional Materials, 2022, 32, .	14.9	11
3	Direct Probing of Gap States and Their Passivation in Halide Perovskites by High-Sensitivity, Variable Energy Ultraviolet Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 5217-5225.	3.1	12
4	Response to Comment on â€œEppur si Muove: Proton Diffusion in Halide Perovskite Single Crystalsâ€ Measure What is Measurable, and Make Measurable What is Not So: Discrepancies between Proton Diffusion in Halide Perovskite Single Crystals and Thin Films. Advanced Materials, 2021, 33, e2102822.	21.0	4
5	Are Defects in Lead-Halide Perovskites Healed, Tolerated, or Both?. ACS Energy Letters, 2021, 6, 4108-4114.	17.4	31
6	Eppur si Muove: Proton Diffusion in Halide Perovskite Single Crystals. Advanced Materials, 2020, 32, e2002467.	21.0	50
7	Single-Crystal Growth and Thermal Stability of (CH₃NH₃)_{1â€“<i>x</i>}Cs_{<i>x</i>}PbBr₃. Crystal Growth and Design, 2020, 20, 4366-4374.	3.0	8
8	Defects in halide perovskites: The lattice as a boojum?. MRS Bulletin, 2020, 45, 478-484.	3.5	20
9	Impact of SnF₂ Addition on the Chemical and Electronic Surface Structure of CsSnBr₃. ACS Applied Materials & Interfaces, 2020, 12, 12353-12361.	8.0	35
10	Halide Diffusion in MAPbX₃: Limits to Topotaxy for Halide Exchange in Perovskites. Chemistry of Materials, 2020, 32, 4223-4231.	6.7	18
11	Effect of SnF2 concentration on the optoelectronic and PV cell properties of CsSnBr3. SN Applied Sciences, 2019, 1, 1.	2.9	7
12	Deep Defect States in Wide-Band-Gap ABX₃ Halide Perovskites. ACS Energy Letters, 2019, 4, 1150-1157.	17.4	54
13	Anorganische CsPbX₃â€Perowskitâ€Solarzellen: Fortschritte und Perspektiven. Angewandte Chemie, 2019, 131, 15742-15765.	2.0	20
14	Allâ€Inorganic CsPbX₃ Perovskite Solar Cells: Progress and Prospects. Angewandte Chemie - International Edition, 2019, 58, 15596-15618.	13.8	425
15	What Limits the Open-Circuit Voltage of Bromide Perovskite-Based Solar Cells?. ACS Energy Letters, 2019, 4, 1-7.	17.4	71
16	How SnF₂ Impacts the Material Properties of Lead-Free Tin Perovskites. Journal of Physical Chemistry C, 2018, 122, 13926-13936.	3.1	179
17	Selfâ€Healing Inside APbBr₃ Halide Perovskite Crystals. Advanced Materials, 2018, 30, 1706273.	21.0	149
18	What Remains Unexplained about the Properties of Halide Perovskites?. Advanced Materials, 2018, 30, e1800691.	21.0	231

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19	On the influence of multiple cations on the in-gap states and phototransport properties of iodide-based halide perovskites. Physical Chemistry Chemical Physics, 2018, 20, 24444-24452.	2.8	22
20	Can we use <i>time-resolved</i> measurements to get <i>steady-state</i> transport data for halide perovskites?. Journal of Applied Physics, 2018, 124, .	2.5	39
21	Understanding how excess lead iodide precursor improves halide perovskite solar cell performance. Nature Communications, 2018, 9, 3301.	12.8	271
22	Control over Selfâ€Doping in High Band Gap Perovskite Films. Advanced Energy Materials, 2018, 8, 1800398.	19.5	23
23	Electronic structure of the CsPbBr3/polytriarylamine (PTAA) system. Journal of Applied Physics, 2017, 121, .	2.5	93
24	Type-inversion as a working mechanism of high voltage MAPbBr₃(Cl)-based halide perovskite solar cells. Physical Chemistry Chemical Physics, 2017, 19, 5753-5762.	2.8	23
25	Tetragonal CH ₃ NH ₃ PbI ₃ is ferroelectric. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5504-E5512.	7.1	240
26	What Is the Mechanism of MAPbI₃ p-Doping by I₂? Insights from Optoelectronic Properties. ACS Energy Letters, 2017, 2, 2408-2414.	17.4	68
27	Metal to Halide Perovskite (HaP): An Alternative Route to HaP Coating, Directly from Pb⁽⁰⁾ or Sn⁽⁰⁾ Films. Chemistry of Materials, 2017, 29, 8620-8629.	6.7	12
28	Deleterious Effect of Negative Capacitance on the Performance of Halide Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 2007-2013.	17.4	65
29	How to Avoid Artifacts in Surface Photovoltage Measurements: A Case Study with Halide Perovskites. Journal of Physical Chemistry Letters, 2017, 8, 2941-2943.	4.6	9
30	Valence and Conduction Band Densities of States of Metal Halide Perovskites: A Combined Experimentalâ€"Theoretical Study. Journal of Physical Chemistry Letters, 2016, 7, 2722-2729.	4.6	333
31	CH3NH3PbBr3 is not pyroelectric, excluding ferroelectric-enhanced photovoltaic performance. APL Materials, 2016, 4, .	5.1	42
32	Mobilityâ€"Lifetime Products in MAPbI₃ Films. Journal of Physical Chemistry Letters, 2016, 7, 5219-5226.	4.6	55
33	Conversion of Single Crystalline PbI₂ to CH₃NH₃PbI₃: Structural Relations and Transformation Dynamics. Chemistry of Materials, 2016, 28, 6501-6510.	6.7	76
34	Low-Temperature Solution-Grown CsPbBr₃ Single Crystals and Their Characterization. Crystal Growth and Design, 2016, 16, 5717-5725.	3.0	329
35	Interface-Dependent Ion Migration/Accumulation Controls Hysteresis in MAPbI₃ Solar Cells. Journal of Physical Chemistry C, 2016, 120, 16399-16411.	3.1	118
36	High-Work-Function Molybdenum Oxide Hole Extraction Contacts in Hybrid Organicâ€"Inorganic Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 31491-31499.	8.0	151

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37	Interface Modification by Simple Organic Salts Improves Performance of Planar Perovskite Solar Cells. Advanced Materials Interfaces, 2016, 3, 1600506.	3.7	6
38	CsSnBr₃, A Lead-Free Halide Perovskite for Long-Term Solar Cell Application: Insights on SnF₂ Addition. ACS Energy Letters, 2016, 1, 1028-1033.	17.4	259
39	Hybrid organicâ€"inorganic perovskites: low-cost semiconductors with intriguing charge-transport properties. Nature Reviews Materials, 2016, 1, .	48.7	1,173
40	Effects of Light and Electron Beam Irradiation on Halide Perovskites and Their Solar Cells. Accounts of Chemical Research, 2016, 49, 347-354.	15.6	150
41	Band Diagram and Effects of the KSCN Treatment in TiO₂/Sb₂S₃/CuSCN ETA Cells. Journal of Physical Chemistry C, 2016, 120, 31-41.	3.1	39
42	Cesium Enhances Long-Term Stability of Lead Bromide Perovskite-Based Solar Cells. Journal of Physical Chemistry Letters, 2016, 7, 167-172.	4.6	833
43	Impedance Spectroscopic Indication for Solid State Electrochemical Reaction in (CH₃NH₃)PbI₃ Films. Journal of Physical Chemistry Letters, 2016, 7, 191-197.	4.6	81
44	Mechanical properties of APbX3 (A = Cs or CH3NH3; X= I or Br) perovskite single crystals. MRS Communications, 2015, 5, 623-629.	1.8	270
45	Hybrid Organicâ€"Inorganic Perovskites (HOIPs): Opportunities and Challenges. Advanced Materials, 2015, 27, 5102-5112.	21.0	372
46	Surface Oxidation as a Cause of High Openâ€Circuit Voltage in CdSe ETA Solar Cells. Advanced Materials Interfaces, 2015, 2, 1400346.	3.7	9
47	Perovskite Solar Cells: Do We Know What We Do Not Know?. Journal of Physical Chemistry Letters, 2015, 6, 279-282.	4.6	71
48	Light-Induced Increase of Electron Diffusion Length in a pâ€"n Junction Type CH₃NH₃PbBr₃ Perovskite Solar Cell. Journal of Physical Chemistry Letters, 2015, 6, 2469-2476.	4.6	91
49	How Important Is the Organic Part of Lead Halide Perovskite Photovoltaic Cells? Efficient CsPbBr₃ Cells. Journal of Physical Chemistry Letters, 2015, 6, 2452-2456.	4.6	938
50	Rain on Methylammonium Lead Iodide Based Perovskites: Possible Environmental Effects of Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2015, 6, 1543-1547.	4.6	428
51	Understanding the Implication of Carrier Diffusion Length in Photovoltaic Cells. Journal of Physical Chemistry Letters, 2015, 6, 4090-4092.	4.6	98
52	Thiophene-modified perylenediimide as hole transporting material in hybrid lead bromide perovskite solar cells. Journal of Materials Chemistry A, 2015, 3, 20305-20312.	10.3	21
53	Are Mobilities in Hybrid Organicâ€"Inorganic Halide Perovskites Actually â€œHighâ€?. Journal of Physical Chemistry Letters, 2015, 6, 4754-4757.	4.6	197
54	The route towards low-cost solution-processed high Voc solar cells. , 2014, , .		0

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55	Interface energetics in organo-metal halide perovskite-based photovoltaic cells. Energy and Environmental Science, 2014, 7, 1377.	30.8	624
56	Elucidating the charge carrier separation and working mechanism of CH3NH3PbI3âˆ’xClx perovskite solar cells. Nature Communications, 2014, 5, 3461.	12.8	511
57	Inorganic Hole Conducting Layers for Perovskite-Based Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 1748-1753.	4.6	307
58	Perovskite cells roll forward. Nature Photonics, 2014, 8, 87-88.	31.4	142
59	Why Lead Methylammonium Tri-Iodide Perovskite-Based Solar Cells Require a Mesoporous Electron Transporting Scaffold (but Not Necessarily a Hole Conductor). Nano Letters, 2014, 14, 1000-1004.	9.1	533
60	Chloride Inclusion and Hole Transport Material Doping to Improve Methyl Ammonium Lead Bromide Perovskite-Based High Open-Circuit Voltage Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 429-433.	4.6	342
61	Morphology-, synthesis- and doping-independent tuning of ZnO work function using phenylphosphonates. Physical Chemistry Chemical Physics, 2014, 16, 8310.	2.8	40
62	Surface Photovoltage Spectroscopy Study of Organo-Lead Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 2408-2413.	4.6	90
63	Higher Open Circuit Voltage and Reduced UV-Induced Reverse Current in ZnO-Based Solar Cells by a Chemically Modified Blocking Layer. Journal of Physical Chemistry C, 2014, 118, 16884-16891.	3.1	10
64	Crystallization of Methyl Ammonium Lead Halide Perovskites: Implications for Photovoltaic Applications. Journal of the American Chemical Society, 2014, 136, 13249-13256.	13.7	388
65	Two stage chemical bath deposition of MoO₃ nanorod films. RSC Advances, 2014, 4, 53694-53700.	3.6	23
66	Perovskite-Based Solar Cells. Science, 2013, 342, 317-318.	12.6	731
67	Effective Bandgap Lowering of CdS Deposited by Successive Ionic Layer Adsorption and Reaction. Journal of Physical Chemistry C, 2013, 117, 1611-1620.	3.1	79
68	High Open-Circuit Voltage Solar Cells Based on Organicâ€“Inorganic Lead Bromide Perovskite. Journal of Physical Chemistry Letters, 2013, 4, 897-902.	4.6	486
69	Band Alignment in Partial and Complete ZnO/ZnS/CdS/CuSCN Extremely Thin Absorber Cells: An X-ray Photoelectron Spectroscopy Study. ACS Applied Materials & Interfaces, 2013, 5, 5156-5164.	8.0	16
70	All-Solid-State, Semiconductor-Sensitized Nanoporous Solar Cells. Accounts of Chemical Research, 2012, 45, 705-713.	15.6	99
71	Photoelectrochemical Cell Measurements: Getting the Basics Right. Journal of Physical Chemistry Letters, 2012, 3, 1208-1213.	4.6	74
72	Band Alignment and Internal Field Mapping in Solar Cells. Journal of Physical Chemistry Letters, 2011, 2, 2872-2876.	4.6	30

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73	Energetics of CdSe Quantum Dots Adsorbed on TiO₂. Journal of Physical Chemistry C, 2011, 115, 13236-13241.	3.1	32
74	Chemical bath deposition of CdS highly-textured, columnar films. Thin Solid Films, 2011, 519, 6388-6393.	1.8	3
75	Sb₂S₃-Based Mesoscopic Solar Cell using an Organic Hole Conductor. Journal of Physical Chemistry Letters, 2010, 1, 1524-1527.	4.6	285
76	Effect of Glass Dissolution on the Solution Deposition of ZnO Films and Its Exploitation for Deposition of Zn Silicates. Journal of the American Chemical Society, 2010, 132, 309-314.	13.7	12
77	Effect of Sb Ions on the Morphology of Chemical Bath-Deposited ZnO Films and Application to Nanoporous Solar Cells. Crystal Growth and Design, 2010, 10, 4442-4448.	3.0	12
78	Uniform Coating of Light-Absorbing Semiconductors by Chemical Bath Deposition on Sulfide-Treated ZnO Nanorods. Journal of Physical Chemistry C, 2010, 114, 13092-13097.	3.1	44
79	Influence of Selective Nucleation on the One Step Chemical Bath Deposition of CdS/ZnO and CdS/ZnS Composite Films. Chemistry of Materials, 2010, 22, 5483-5491.	6.7	25
80	Electrodeposition and chemical bath deposition of functional nanomaterials. MRS Bulletin, 2010, 35, 743-750.	3.5	35
81	Copper sulfide as a light absorber in wet-chemical synthesized extremely thin absorber (ETA) solar cells. Energy and Environmental Science, 2009, 2, 220-223.	30.8	111
82	Reliable chemical bath deposition of ZnO films with controllable morphology from ethanolamine-based solutions using KMnO4 substrate activation. Journal of Materials Chemistry, 2009, 19, 3847.	6.7	107
83	Nanocrystalline Solar Cells. Frontiers of Nanoscience, 2009, , 232-269.	0.6	5
84	Sb₂S₃-Sensitized Nanoporous TiO₂ Solar Cells. Journal of Physical Chemistry C, 2009, 113, 4254-4256.	3.1	353
85	Chemical bath deposition of single-phase (Pb,Cd)S solid solutions. Thin Solid Films, 2008, 517, 737-744.	1.8	34
86	Comparison of Dye- and Semiconductor-Sensitized Porous Nanocrystalline Liquid Junction Solar Cells. Journal of Physical Chemistry C, 2008, 112, 17778-17787.	3.1	521
87	Reproducible Chemical Bath Deposition of ZnO by a One-Step Method: The Importance of â€œContaminantsâ€•in Nucleation. Chemistry of Materials, 2008, 20, 4542-4544.	6.7	45
88	PHOTOELECTROCHEMICAL STORAGE CELLS. Series on Photoconversion of Solar Energy, 2008, , 591-632.	0.2	2
89	Defect-Dominated Charge Transport in Si-Supported CdSe Nanoparticle Films. Journal of Physical Chemistry C, 2008, 112, 6564-6570.	3.1	15
90	Effects of Solution pH and Surface Chemistry on the Postdeposition Growth of Chemical Bath Deposited PbSe Nanocrystalline Films. Chemistry of Materials, 2007, 19, 879-888.	6.7	29

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91	Semiconductor and ceramic nanoparticle films deposited by chemical bath deposition. Physical Chemistry Chemical Physics, 2007, 9, 2181.	2.8	228
92	Chemically Resolved Photovoltage Measurements in CdSe Nanoparticle Filmsâ€. Journal of Physical Chemistry B, 2006, 110, 25508-25513.	2.6	31
93	Chemical bath deposited CdS/CdSe-sensitized porous TiO2 solar cells. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 181, 306-313.	3.9	368
94	Fabrication and characterization of ZnO nanowires/CdSe/CuSCN eta-solar cell. Comptes Rendus Chimie, 2006, 9, 717-729.	0.5	97
95	Electrochemical Preparation of H2S and H2Se.. ChemInform, 2005, 36, no.	0.0	0
96	Electrochemical Preparation of H[sub 2]S and H[sub 2]Se. Journal of the Electrochemical Society, 2005, 152, D35.	2.9	14
97	Variable Optical Properties and Effective Porosity of CdSe Nanocrystalline Films Electrodeposited from Selenosulfate Solutions. Journal of the Electrochemical Society, 2005, 152, G917.	2.9	22
98	Internal Field Switching in CdSe Quantum Dot Films on Si. Journal of Physical Chemistry B, 2005, 109, 182-187.	2.6	9
99	Charge Overlap Interaction in Quantum Dot Films:Â Time Dependence and Suppression by Cyanide Adsorption. Journal of Physical Chemistry B, 2005, 109, 7214-7219.	2.6	20
100	Physical Chemical Principles of Photovoltaic Conversion with Nanoparticulate, Mesoporous Dye-Sensitized Solar Cells. ChemInform, 2004, 35, no.	0.0	1
101	Nanocrystalline CdSe Formation by Direct Reaction between Cd Ions and Selenosulfate Solution. Chemistry of Materials, 2004, 16, 2740-2744.	6.7	55
102	Physical Chemical Principles of Photovoltaic Conversion with Nanoparticulate, Mesoporous Dye-Sensitized Solar Cells. Journal of Physical Chemistry B, 2004, 108, 8106-8118.	2.6	584
103	Factors Affecting the Stability of CdTe/CdS Solar Cells Deduced from Stress Tests at Elevated Temperature. Advanced Functional Materials, 2003, 13, 289-299.	14.9	77
104	Shape Control in Electrodeposited, Epitaxial CdSe Nanocrystals on (111) Gold. Journal of Physical Chemistry B, 2003, 107, 2174-2179.	2.6	11
105	Reversible adsorption-enhanced quantum confinement in semiconductor quantum dots. Applied Physics Letters, 2002, 81, 5045-5047.	3.3	41
106	Formation and Characterization of Electroless-Deposited NiTe[sub 2] Back Contacts to CdTeâ€Š/CdS Thin-Film Solar Cells. Journal of the Electrochemical Society, 2002, 149, G147.	2.9	22
107	The Silver Chloride Photoanode in Photoelectrochemical Water Splitting. Journal of Physical Chemistry B, 2002, 106, 12764-12775.	2.6	95
108	Molecules and Electronic Materials. Advanced Materials, 2002, 14, 789.	21.0	148

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109	Preparation and Surface Structure of Nanocrystalline Cadmium Sulfide (Sulfoselenide) Precipitated from Dimethyl Sulfoxide Solutions. Chemistry of Materials, 2001, 13, 2272-2280.	6.7	54
110	Identification of surface states on individual CdSe quantum dots by room-temperature conductance spectroscopy. Physical Review B, 2001, 63, .	3.2	49
111	Electroless Ni and NiTe2 ohmic contacts for CdTe/CdS PV cells. Thin Solid Films, 2001, 387, 155-157.	1.8	34
112	Stability of CdTe/CdS thin-film solar cells. Solar Energy Materials and Solar Cells, 2000, 62, 295-325.	6.2	315
113	Nature of Photovoltaic Action in Dye-Sensitized Solar Cells. Journal of Physical Chemistry B, 2000, 104, 2053-2059.	2.6	688
114	Size-Selected Zinc Sulfide Nanocrystallites:â€‰ Synthesis, Structure, and Optical Studies. Chemistry of Materials, 2000, 12, 1018-1024.	6.7	361
115	Electrochemical Deposition of ZnSe and (Zn,Cd)Se Films from Nonaqueous Solutions. Journal of the Electrochemical Society, 2000, 147, 1825.	2.9	31
116	Energy level tunneling spectroscopy and single electron charging in individual CdSe quantum dots. Applied Physics Letters, 1999, 75, 1751-1753.	3.3	87
117	Photoelectrochemical Charge Transfer Properties of Electrodeposited CdSe Quantum Dots. Journal of Physical Chemistry B, 1999, 103, 4943-4948.	2.6	29
118	Synthesis of Semiconductor Quantum Particles in Matrices of Thin Films and Crystals of Î±,Ï‰-Alkanedicarboxylate Salts. Advanced Materials, 1998, 10, 121-125.	21.0	18
119	Superlattices of Semiconductor Quantum-Size Lead Sulfide Particles Prepared by Topotactic Gas-Solid Reaction. Advanced Materials, 1998, 10, 657-661.	21.0	22
120	Size-quantized CdS films in thin film CuInS2 solar cells. Applied Physics Letters, 1998, 73, 3135-3137.	3.3	41
121	Electrodeposited Quantum Dots. 6. Epitaxial Size Control in Cd(Se, Te) Nanocrystals on {111} Gold. Israel Journal of Chemistry, 1997, 37, 303-313.	2.3	8
122	Nanostructure and size quantization in chemical solution deposited semiconductor films. Studies in Surface Science and Catalysis, 1997, , 297-320.	1.5	12
123	Size Quantization in Electrodeposited CdTe Nanocrystalline Films. Journal of Physical Chemistry B, 1997, 101, 2685-2690.	2.6	77
124	Electrodeposited quantum dots: Coherent nanocrystalline cdse on oriented polycrystalline au films. Advanced Materials, 1997, 9, 236-238.	21.0	19
125	Electrodeposited Quantum Dots. 3. Interfacial Factors Controlling the Morphology, Size, and Epitaxy. The Journal of Physical Chemistry, 1996, 100, 2220-2228.	2.9	57
126	Electrodeposited quantum dots IV. Epitaxial short-range order in amorphous semiconductor nanostructures. Surface Science, 1996, 350, 277-284.	1.9	21

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127	Epitaxial size control by mismatch tuning in electrodeposited Cd(Se, Te) quantum dots on {111} gold. Advanced Materials, 1996, 8, 631-633.	21.0	32
128	Room-temperature conductance spectroscopy of CdSe quantum dots using a modified scanning force microscope. Physical Review B, 1995, 52, R17017-R17020.	3.2	84
129	Band diagram of the polycrystalline CdS/Cu(In,Ga)Se2 heterojunction. Applied Physics Letters, 1995, 67, 1405-1407.	3.3	58
130	Chemical Solution Deposition of Lead Selenide Films: A Mechanistic and Structural Study. Chemistry of Materials, 1995, 7, 1243-1256.	6.7	110
131	Quantum Size Effects in Chemically Deposited, Nanocrystalline Lead Selenide Films. The Journal of Physical Chemistry, 1995, 99, 16442-16448.	2.9	118
132	Cation Electrolytic Modification of nâ€‰â€â€‰WSe2â€‰/â€‰Aqueousâ€‰Polyiodide Photoelectrochemistry. Journal of the Electrochemical Society, 1995, 142, 840-844.	2.9	10
133	Quantum size effects in the study of chemical solution deposition mechanisms of semiconductor films. The Journal of Physical Chemistry, 1994, 98, 5338-5346.	2.9	442
134	Electrodeposited quantum dots. Surface Science, 1994, 311, L633-L640.	1.9	60
135	Fullerene-like nanocrystals of tungsten disulfide. Advanced Materials, 1993, 5, 386-388.	21.0	23
136	Cross-sectional transmission electron microscopy of thin film polycrystalline semiconductors by conventional microtomy. Thin Solid Films, 1993, 227, 18-23.	1.8	3
137	Sizeâ€Quantized Nanocrystalline Semiconductor Films. Israel Journal of Chemistry, 1993, 33, 95-106.	2.3	82
138	Epitaxial electrodeposition of cadmium selenide nanocrystals on gold. Langmuir, 1992, 8, 749-752.	3.5	97
139	Room-temperature electrochemical reduction of YBa2Cu3O7 â€“x. Solid-state and solution chemical results. Journal of Materials Chemistry, 1991, 1, 339-346.	6.7	10
140	Electron Microscopy of CuInSe₂ polycrystalline films. Proceedings Annual Meeting Electron Microscopy Society of America, 1990, 48, 704-705.	0.0	0
141	Aggregate structure in CuBSe2/Mo films (B=In,Ga): Its relation to their electrical activity. Journal of Applied Physics, 1989, 66, 3554-3559.	2.5	15
142	Polyiodideâ€treatednâ€WSe2/Au Schottky junctions. Applied Physics Letters, 1989, 54, 2085-2087.	3.3	17
143	Controlled room-temperature reduction of YBa2Cu3O7âˆ'x: A synthetic route to metastable superconducting phases. Materials Letters, 1989, 7, 411-414.	2.6	10
144	Electrochemical preparation and properties of oxygen deficient YBa2Cu3O7âˆ'x. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1457-1458.	1.2	5

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145	Preparation of CuInSe2 and CuInS2 films by reactive annealing in H2Se OR H2S. Solar Cells, 1987, 21, 215-224.	0.6	64
146	Three-dimensional quantum-size effect in chemically deposited cadmium selenide films. Physical Review B, 1987, 36, 4215-4221.	3.2	302
147	A light-variation insensitive high efficiency solar cell. Nature, 1987, 326, 863-864.	27.8	138
148	Numerical analysis of aqueous polysulfide solutions and its application to cadmium chalcogenide/polysulfide photoelectrochemical solar cells. Inorganic Chemistry, 1986, 25, 2486-2489.	4.0	83
149	The High Aqueous Solubility of â€‰Kâ€‰2â€‰Sâ€‰ and Its Effect on Bulk and Photoelectrochemical Characteristics of Cdâ€‰(â€‰SeTeâ€‰)â€‰â€‰/â€‰â€‰Sâ€‰x â€‰=â€‰ Cells: I . Polysulfide Variation at Constant Sulfur/Sulfide Ratio. Jou Electrochemical Society, 1986, 133, 272-277.	2.9	17
150	Electrodeposition of CuInSe2 and CuInS2 films. Solar Cells, 1986, 16, 245-254.	0.6	70
151	Thermodynamic Stability of IIâ€“VI Semiconductorâ€Polysulfide Photoelectrochemical Systems. Journal of the Electrochemical Society, 1986, 133, 2177-2180.	2.9	12
152	Recent progress at the Weizmann Institute in the photoelectrochemistry of cadmium chalcogenides and CuIn Chalcogenides. Journal of Photochemistry and Photobiology, 1985, 29, 243-256.	0.6	14
153	Electroplated CuInS2 and CuInSe2 layers: Preparation and physical and photovoltaic characterization. Thin Solid Films, 1985, 128, 93-106.	1.8	91
154	Slurry painted CuInS2 and CuIn5S8 layers: Preparation and photoelectrochemical characterization. Solar Energy Materials and Solar Cells, 1985, 12, 211-219.	0.4	23
155	High efficiencynâ€Cd(Se,Te)/S=photoelectrochemical cell resulting from solution chemistry control. Applied Physics Letters, 1985, 46, 608-610.	3.3	64
156	Ternary Chalcogenideâ€Based Photoelectrochemical Cells: IV . Further Characterization of the Polysulfide Systems. Journal of the Electrochemical Society, 1985, 132, 1062-1070.	2.9	43
157	Electrodeposited layers of CuInS2, CuIn5S8 and CuInSe2. Progress in Crystal Growth and Characterization, 1984, 10, 345-351.	0.8	16
158	The structure and composition of the CdSe-(Oxidized titanium) interface: An investigation by transmission electron microscopy and electron diffraction. Thin Solid Films, 1984, 112, 349-358.	1.8	1
159	Electrodeposition of Cuî—¸Inî—¸S layers and their photoelectrochemical characterization. Solar Energy Materials and Solar Cells, 1984, 10, 41-45.	0.4	42
160	Ternary chalcogenide-based photoelectrochemical cells III. n-CuIn5S8/aqueous polysulfide. Solar Energy Materials and Solar Cells, 1984, 11, 57-74.	0.4	29
161	Cathodic current photoenhancement at mechanically damaged CdS electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1984, 172, 155-165.	0.1	21
162	Effect of photoelectrochemical etching on charge collection efficiency in CdS: An electron beam induced current study. Journal of Applied Physics, 1983, 54, 4676-4678.	2.5	8

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163	Photoelectrochemistry of Cadmium and Other Metal Chalcogenides in Polysulfide Electrolytes. , 1983, , 421-465.		7
164	Photoelectrochemical solar cells: Interpretation of cell performance using electrochemical determination of photoelectrode properties. Thin Solid Films, 1982, 91, 349-356.	1.8	30
165	Electroplated cadmium chalcogenide layers: Characterization and use in photoelectrochemical solar cells. Thin Solid Films, 1982, 90, 433-438.	1.8	76
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