

# Sang Il Seok

## List of Publications by Year in descending order

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189  
papers

53,778  
citations

10979

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3321

184  
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194  
all docs

194  
docs citations

194  
times ranked

27544  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rethinking the A cation in halide perovskites. Science, 2022, 375, eabj1186.	6.0	207
2	Polymethyl Methacrylate as an Interlayer Between the Halide Perovskite and Copper Phthalocyanine Layers for Stable and Efficient Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	7.8	30
3	$\text{SnO}_2/\text{TiO}_2$ Hybrid Electron Transport Layer for Efficient and Flexible Perovskite Solar Cells. ACS Energy Letters, 2022, 7, 1864-1870.	8.8	32
4	Strain Tuning via Larger Cation and Anion Codoping for Efficient and Stable Antimony-Based Solar Cells. Advanced Science, 2021, 8, 2002391.	5.6	13
5	Surface Engineering of Ambient-Air-Processed Cesium Lead Triiodide Layers for Efficient Solar Cells. Joule, 2021, 5, 183-196.	11.7	308
6	Efficient and Stable Antimony Seleniodide Solar Cells. Advanced Science, 2021, 8, 2003172.	5.6	36
7	Stabilization of formamidinium lead triiodide $\delta$ -phase with isopropylammonium chloride for perovskite solar cells. Nature Energy, 2021, 6, 419-428.	19.8	157
8	Dimethylformamide-free synthesis and fabrication of lead halide perovskite solar cells from electrodeposited PbS precursor films. Chemical Engineering Journal, 2021, 411, 128460.	6.6	15
9	NiFeOx decorated Ge-hematite/perovskite for an efficient water splitting system. Nature Communications, 2021, 12, 4309.	5.8	71
10	Efficient perovskite solar mini-modules fabricated via bar-coating using 2-methoxyethanol-based formamidinium lead tri-iodide precursor solution. Joule, 2021, 5, 2420-2436.	11.7	85
11	Towards environmental friendly multi-step processing of efficient mixed-cation mixed halide perovskite solar cells from chemically bath deposited lead sulphide. Scientific Reports, 2021, 11, 18561.	1.6	7
12	Regulating the Surface Passivation and Residual Strain in Pure Tin Perovskite Films. ACS Energy Letters, 2021, 6, 3555-3562.	8.8	45
13	Perovskite solar cells with atomically coherent interlayers on $\text{SnO}_2$ electrodes. Nature, 2021, 598, 444-450.	13.7	2,065
14	Enhanced Moisture Stability by Butyldimethylsulfonium Cation in Perovskite Solar Cells. Advanced Science, 2020, 7, 1901840.	5.6	42
15	Efficient Antimony-Based Solar Cells by Enhanced Charge Transfer. Small Methods, 2020, 4, 1900698.	4.6	30
16	$\text{TiO}_2$ Colloidal Spray Coated Electron-Transporting Layers for Efficient Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2001799.	10.2	45
17	Heteroleptic Tin-Antimony Sulfoiodide for Stable and Lead-free Solar Cells. Matter, 2020, 3, 1701-1713.	5.0	29
18	Carbazole-Based Spiro[fluorene-9,9'-xanthene] as an Efficient Hole-Transporting Material for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 28246-28252.	4.0	43

#	ARTICLE	IF	CITATIONS
19	Lead-free perovskite solar cells enabled by hetero-valent substitutes. Energy and Environmental Science, 2020, 13, 2363-2385.	15.6	109
20	Halide perovskite materials and devices. MRS Bulletin, 2020, 45, 427-430.	1.7	21
21	Unveiling the Relationship between the Perovskite Precursor Solution and the Resulting Device Performance. Journal of the American Chemical Society, 2020, 142, 6251-6260.	6.6	103
22	Molecular aspects of organic cations affecting the humidity stability of perovskites. Energy and Environmental Science, 2020, 13, 805-820.	15.6	104
23	Impact of strain relaxation on performance of $\Gamma$ -formamidinium lead iodide perovskite solar cells. Science, 2020, 370, 108-112.	6.0	932
24	Efficient Nanostructured $\text{TiO}_2/\text{SnS}$ Heterojunction Solar Cells. Advanced Energy Materials, 2019, 9, 1901343.	10.2	86
25	Mutual Insight on Ferroelectrics and Hybrid Halide Perovskites: A Platform for Future Multifunctional Energy Conversion. Advanced Materials, 2019, 31, e1807376.	11.1	91
26	Long-Term Chemical Aging of Hybrid Halide Perovskites. Nano Letters, 2019, 19, 5604-5611.	4.5	13
27	Optimal Interfacial Engineering with Different Length of Alkylammonium Halide for Efficient and Stable Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1902740.	10.2	209
28	Efficient, stable solar cells by using inherent bandgap of $\Gamma$ -phase formamidinium lead iodide. Science, 2019, 366, 749-753.	6.0	936
29	Two-terminal mechanical perovskite/silicon tandem solar cells with transparent conductive adhesives. Nano Energy, 2019, 65, 104044.	8.2	36
30	Multifaceted Role of a Dibutylhydroxytoluene Processing Additive in Enhancing the Efficiency and Stability of Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2019, 11, 38828-38837.	4.0	10
31	Perovskite precursor solution chemistry: from fundamentals to photovoltaic applications. Chemical Society Reviews, 2019, 48, 2011-2038.	18.7	526
32	Metal Oxide Charge Transport Layers for Efficient and Stable Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900455.	7.8	186
33	Stabilization of Precursor Solution and Perovskite Layer by Addition of Sulfur. Advanced Energy Materials, 2019, 9, 1803476.	10.2	81
34	Efficient Solar Cells Employing Light-Harvesting $\text{Sb}_{0.67}\text{Bi}_{0.33}\text{I}_3$ . Advanced Materials, 2019, 31, e1808344.	11.1	40
35	Intrinsic Instability of Inorganic-Organic Hybrid Halide Perovskite Materials. Advanced Materials, 2019, 31, e1805337.	11.1	278
36	Energy-level engineering of the electron transporting layer for improving open-circuit voltage in dye and perovskite-based solar cells. Energy and Environmental Science, 2019, 12, 958-964.	15.6	116

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37	EcoMat: Join us in the pursuit of functional materials for green energy and environment. EcoMat, 2019, 1, e12009.	6.8	0
38	Perovskite Solar Cells: Optimal Interfacial Engineering with Different Length of Alkylammonium Halide for Efficient and Stable Perovskite Solar Cells (Adv. Energy Mater. 47/2019). Advanced Energy Materials, 2019, 9, 1970187.	10.2	4
39	Exploring wide bandgap metal oxides for perovskite solar cells. APL Materials, 2019, 7, .	2.2	54
40	Methodologies toward Highly Efficient Perovskite Solar Cells. Small, 2018, 14, e1704177.	5.2	315
41	A Low-Temperature Thin-Film Encapsulation for Enhanced Stability of a Highly Efficient Perovskite Solar Cell. Advanced Energy Materials, 2018, 8, 1701928.	10.2	136
42	Mixed Sulfur and Iodide-Based Lead-Free Perovskite Solar Cells. Journal of the American Chemical Society, 2018, 140, 872-875.	6.6	126
43	Efficient Solar Cells Based on Light-Harvesting Antimony Sulfoiodide. Advanced Energy Materials, 2018, 8, 1701901.	10.2	76
44	Reducing Carrier Density in Formamidinium Tin Perovskites and Its Beneficial Effects on Stability and Efficiency of Perovskite Solar Cells. ACS Energy Letters, 2018, 3, 46-53.	8.8	158
45	Stabilization of Lead-Tin-Alloyed Inorganic-Organic Halide Perovskite Quantum Dots. ACS Nano, 2018, 12, 12129-12139.	7.3	31
46	Challenges for commercializing perovskite solar cells. Science, 2018, 361, .	6.0	1,327
47	Nanostructured Heterojunction Solar Cells Based on $\text{Pb}_{2\text{SbS}_2\text{I}_3}$ : Linking Lead Halide Perovskites and Metal Chalcogenides. ACS Energy Letters, 2018, 3, 2376-2382.	8.8	20
48	Structural features and their functions in surfactant-armoured methylammonium lead iodide perovskites for highly efficient and stable solar cells. Energy and Environmental Science, 2018, 11, 2188-2197.	15.6	162
49	Nanochannel-Assisted Perovskite Nanowires: From Growth Mechanisms to Photodetector Applications. ACS Nano, 2018, 12, 8406-8414.	7.3	56
50	A fluorene-terminated hole-transporting material for highly efficient and stable perovskite solar cells. Nature Energy, 2018, 3, 682-689.	19.8	1,856
51	Understanding how excess lead iodide precursor improves halide perovskite solar cell performance. Nature Communications, 2018, 9, 3301.	5.8	271
52	Spatial Distribution of Lead Iodide and Local Passivation on Organo-Lead Halide Perovskite. ACS Applied Materials & Interfaces, 2017, 9, 6072-6078.	4.0	62
53	New pyrazole based single precursor for the surfactantless synthesis of visible light responsive PbS nanocrystals: Synthesis, X-ray crystallography of ligand and photocatalytic activity. Nano Structures Nano Objects, 2017, 10, 91-99.	1.9	7
54	Colloidally prepared La-doped $\text{BaSnO}_3$ electrodes for efficient, photostable perovskite solar cells. Science, 2017, 356, 167-171.	6.0	1,045

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55	Engineering interface structures between lead halide perovskite and copper phthalocyanine for efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 2109-2116.	15.6	169
56	Analysis of crystalline phases and integration modelling of charge quenching yields in hybrid lead halide perovskite solar cell materials. <i>Nano Energy</i> , 2017, 40, 596-606.	8.2	17
57	Iodide management in formamidinium-lead-halide-based perovskite layers for efficient solar cells. <i>Science</i> , 2017, 356, 1376-1379.	6.0	4,721
58	Controllable synthesis of single crystalline Sn-based oxides and their application in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 79-86.	5.2	45
59	Indolo[3,2-b]indole-based crystalline hole-transporting material for highly efficient perovskite solar cells. <i>Chemical Science</i> , 2017, 8, 734-741.	3.7	102
60	Critical Role of Grain Boundaries for Ion Migration in Formamidinium and Methylammonium Lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1600330.	10.2	360
61	Beneficial Effects of $\text{PbI}_2$ Incorporated in Organo-lead Halide Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016, 6, 1502104.	10.2	387
62	Tailoring of Electron-Collecting Oxide Nanoparticulate Layer for Flexible Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1845-1851.	2.1	93
63	Physical chemistry of hybrid perovskite solar cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 27024-27025.	1.3	7
64	Thermal Stability of $\text{CuSCN}$ Hole Conductor-based Perovskite Solar Cells. <i>ChemSusChem</i> , 2016, 9, 2592-2596.	3.6	154
65	A pyrazolyl-based thiolato single-source precursor for the selective synthesis of isotropic copper-deficient copper(I) sulfide nanocrystals: synthesis, optical and photocatalytic activity. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	0.8	9
66	Rational Strategies for Efficient Perovskite Solar Cells. <i>Accounts of Chemical Research</i> , 2016, 49, 562-572.	7.6	311
67	Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells through $\text{SnF}_2$ -Pyrazine Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 3974-3977.	6.6	658
68	Steps toward efficient inorganic-organic hybrid perovskite solar cells. <i>MRS Bulletin</i> , 2015, 40, 648-653.	1.7	33
69	Efficient $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Solar Cells Employing Nanostructured p-type NiO Electrode Formed by a Pulsed Laser Deposition. <i>Advanced Materials</i> , 2015, 27, 4013-4019.	11.1	485
70	Efficient $\text{Sb}_2\text{S}_3$ -sensitized Solar Cells Via Single-step Deposition of $\text{Sb}_2\text{S}_3$ Using $\text{S}/\text{Sb}$ -ratio-controlled $\text{SbCl}_3$ -Thiourea Complex Solution. <i>Advanced Functional Materials</i> , 2015, 25, 2892-2898.	7.8	145
71	Effective Electron Blocking of $\text{CuPCl}_2$ -Doped Spiro-OMeTAD for Highly Efficient Inorganic-Organic Hybrid Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1501320.	10.2	84
72	High-performance photovoltaic perovskite layers fabricated through intramolecular exchange. <i>Science</i> , 2015, 348, 1234-1237.	6.0	5,529

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73	Compositional engineering of perovskite materials for high-performance solar cells. <i>Nature</i> , 2015, 517, 476-480.	13.7	5,478
74	CuSbS <sub>2</sub> Sensitized Inorganic/Organic Heterojunction Solar Cells Fabricated Using a Metal-Thiourea Complex Solution. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4005-4009.	7.2	72
75	Fabrication of metal-oxide-free CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells processed at low temperature. <i>Journal of Materials Chemistry A</i> , 2015, 3, 3271-3275.	5.2	162
76	High-performance flexible perovskite solar cells exploiting Zn <sub>2</sub> SnO <sub>4</sub> prepared in solution below 100 °C. <i>Nature Communications</i> , 2015, 6, 7410.	5.8	417
77	Efficient room temperature aqueous Sb <sub>2</sub> S <sub>3</sub> synthesis for inorganic/organic sensitized solar cells with 5.1% efficiencies. <i>Chemical Communications</i> , 2015, 51, 8640-8643.	2.2	78
78	Spectral splitting photovoltaics using perovskite and wideband dye-sensitized solar cells. <i>Nature Communications</i> , 2015, 6, 8834.	5.8	122
79	Sb <sub>2</sub> Se <sub>3</sub> Sensitized Inorganic/Organic Heterojunction Solar Cells Fabricated Using a Single-Source Precursor. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1329-1333.	7.2	145
80	PbS Colloidal Quantum Dot Sensitized Inorganic/Organic Hybrid Solar Cells with Radial-Directional Charge Transport. <i>ChemPhysChem</i> , 2014, 15, 1024-1027.	1.0	17
81	<i>o</i> -Methoxy Substituents in Spiro-OMeTAD for Efficient Inorganic/Organic Hybrid Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2014, 136, 7837-7840.	6.6	702
82	Voltage output of efficient perovskite solar cells with high open-circuit voltage and fill factor. <i>Energy and Environmental Science</i> , 2014, 7, 2614-2618.	15.6	692
83	Enhancing the Performance of Sensitized Solar Cells with PbS/CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Core/Shell Quantum Dots. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2015-2020.	2.1	59
84	Efficient Inorganic/Organic Heterojunction Solar Cells Employing Sb <sub>2</sub> (S <sub>x</sub> /Se <sub>1-x</sub> ) <sub>3</sub> Graded Composition Sensitizers. <i>Advanced Energy Materials</i> , 2014, 4, 1301680.	10.2	123
85	Power from the sun: Perovskite solar cells. , 2014, , .		4
86	Precursor-driven selective synthesis of hexagonal chalcocite (Cu <sub>2</sub> S) nanocrystals: structural, optical, electrical and photocatalytic properties. <i>New Journal of Chemistry</i> , 2014, 38, 4774-4782.	1.4	38
87	Thermal Behavior of Methylammonium Lead-Trihalide Perovskite Photovoltaic Light Harvesters. <i>Chemistry of Materials</i> , 2014, 26, 6160-6164.	3.2	502
88	Highly Improved Sb <sub>2</sub> S <sub>3</sub> Sensitized Inorganic/Organic Heterojunction Solar Cells and Quantification of Traps by Deep-Level Transient Spectroscopy. <i>Advanced Functional Materials</i> , 2014, 24, 3587-3592.	7.8	454
89	Well-Organized Mesoporous TiO <sub>2</sub> Photoelectrodes by Block Copolymer-Induced Sol-Gel Assembly for Inorganic/Organic Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16688-16693.	1.5	49
90	Solvent engineering for high-performance inorganic/organic hybrid perovskite solar cells. <i>Nature Materials</i> , 2014, 13, 897-903.	13.3	5,796

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91	Benefits of very thin PCBM and LiF layers for solution-processed p-i-n perovskite solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 2642-2646.	15.6	622
92	Nanostructured TiO <sub>2</sub> /CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> heterojunction solar cells employing spiro-OMeTAD/Co-complex as hole-transporting material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11842.	5.2	301
93	Improvement of nonlinear response for the power conversion efficiency with light intensities in cobalt complex electrolyte system. <i>Chemical Physics Letters</i> , 2013, 573, 63-69.	1.2	11
94	Efficient Inorganic-Organic Hybrid Perovskite Solar Cells Based on Pyrene Arylamine Derivatives as Hole-Transporting Materials. <i>Journal of the American Chemical Society</i> , 2013, 135, 19087-19090.	6.6	512
95	Quaternary semiconductor Cu <sub>2</sub> FeSnS <sub>4</sub> nanoparticles as an alternative to Pt catalysts. <i>RSC Advances</i> , 2013, 3, 24918.	1.7	29
96	Chemical Management for Colorful, Efficient, and Stable Inorganic-Organic Hybrid Nanostructured Solar Cells. <i>Nano Letters</i> , 2013, 13, 1764-1769.	4.5	4,144
97	Efficient inorganic-organic hybrid heterojunction solar cells containing perovskite compound and polymeric hole conductors. <i>Nature Photonics</i> , 2013, 7, 486-491.	15.6	2,423
98	Fabrication of CuInTe <sub>2</sub> and CuInTe <sub>2</sub> -xSe <sub>x</sub> Ternary Gradient Quantum Dots and Their Application to Solar Cells. <i>ACS Nano</i> , 2013, 7, 4756-4763.	7.3	86
99	Defect states in hybrid solar cells consisting of Sb <sub>2</sub> S <sub>3</sub> quantum dots and TiO <sub>2</sub> nanoparticles. <i>Applied Physics Letters</i> , 2013, 103, 023901.	1.5	20
100	Hole-conducting mediator for stable Sb <sub>2</sub> S <sub>3</sub> -sensitized photoelectrochemical solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 1107-1111.	6.7	49
101	Urchinlike Nanostructure of Single-Crystalline Nanorods of Sb <sub>2</sub> S <sub>3</sub> Formed at Mild Reaction Condition. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 4787-4791.	4.0	13
102	Synthesis of uniform PS-b-P2VP nanoparticles via reprecipitation and their use as sacrificial templates for inorganic hollow nanoparticles. <i>Journal of Materials Chemistry</i> , 2012, 22, 8772.	6.7	16
103	Improvement of external quantum efficiency depressed by visible light-absorbing hole transport material in solid-state semiconductor-sensitized heterojunction solar cells. <i>Nanoscale</i> , 2012, 4, 429-432.	2.8	7
104	From Flat to Nanostructured Photovoltaics: Balance between Thickness of the Absorber and Charge Screening in Sensitized Solar Cells. <i>ACS Nano</i> , 2012, 6, 873-880.	7.3	170
105	Nanocrystalline copper sulfide of varying morphologies and stoichiometries in a low temperature solvothermal process using a new single-source molecular precursor. <i>Solid State Sciences</i> , 2012, 14, 1126-1132.	1.5	17
106	Efficient HgTe colloidal quantum dot-sensitized near-infrared photovoltaic cells. <i>Nanoscale</i> , 2012, 4, 1581.	2.8	47
107	Improved air stability of PbS-sensitized solar cell by incorporating ethanedithiol during spin-assisted successive ionic layer adsorption and reaction. <i>Organic Electronics</i> , 2012, 13, 2352-2357.	1.4	28
108	Air-stable and efficient inorganic-organic heterojunction solar cells using PbS colloidal quantum dots co-capped by 1-dodecanethiol and oleic acid. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14999.	1.3	36



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109	Sb <sub>2</sub> S <sub>3</sub> -Sensitized Photoelectrochemical Cells: Open Circuit Voltage Enhancement through the Introduction of Poly-3-hexylthiophene Interlayer. Journal of Physical Chemistry C, 2012, 116, 20717-20721.	1.5	45
110	Enhancing the device performance of Sb <sub>2</sub> S <sub>3</sub> -sensitized heterojunction solar cells by embedding Au nanoparticles in the hole-conducting polymer layer. Physical Chemistry Chemical Physics, 2012, 14, 3622.	1.3	22
111	Panchromatic Photon-Harvesting by Hole-Conducting Materials in Inorganic/Organic Heterojunction Sensitized-Solar Cell through the Formation of Nanostructured Electron Channels. Nano Letters, 2012, 12, 1863-1867.	4.5	221
112	A chemical precursor for depositing Sb <sub>2</sub> S <sub>3</sub> onto mesoporous TiO <sub>2</sub> layers in nonaqueous media and its application to solar cells. Dalton Transactions, 2012, 41, 11569.	1.6	68
113	CdSe-sensitized inorganic/organic heterojunction solar cells: The effect of molecular dipole interface modification and surface passivation. Organic Electronics, 2012, 13, 975-979.	1.4	33
114	All solid state multiply layered PbS colloidal quantum-dot-sensitized photovoltaic cells. Energy and Environmental Science, 2011, 4, 4181.	15.6	93
115	Solvent-assisted growth of Sb <sub>2</sub> Se <sub>3</sub> nanocompounds from a single-source precursor under mild reaction conditions. CrystEngComm, 2011, 13, 3767.	1.3	21
116	Performance improvement of Sb <sub>2</sub> S <sub>3</sub> -sensitized solar cell by introducing hole buffer layer in cobalt complex electrolyte. Energy and Environmental Science, 2011, 4, 2799.	15.6	54
117	Near-infrared responsive PbS-sensitized photovoltaic photodetectors fabricated by the spin-assisted successive ionic layer adsorption and reaction method. Nanotechnology, 2011, 22, 395502.	1.3	22
118	Toward Interaction of Sensitizer and Functional Moieties in Hole-Transporting Materials for Efficient Semiconductor-Sensitized Solar Cells. Nano Letters, 2011, 11, 4789-4793.	4.5	243
119	Bandgap engineered monodisperse and stable mercury telluride quantum dots and their application for near-infrared photodetection. Journal of Materials Chemistry, 2011, 21, 15232.	6.7	29
120	Facile-chelating amine-assisted synthesis of $\text{In}_2\text{S}_3$ nanostructures from a new single-source precursor derived from S-methyl dithiocarbamate. Journal of Nanoparticle Research, 2011, 13, 1889-1896.	0.8	9
121	Porous CdS-sensitized electrochemical solar cells. Electrochimica Acta, 2011, 56, 2087-2091.	2.6	24
122	High-Performance Nanostructured Inorganic/Organic Heterojunction Solar Cells. Nano Letters, 2010, 10, 2609-2612.	4.5	520
123	High-yield synthesis of quantum-confined CdS nanorods using a new dimeric cadmium(II) complex of S-benzyl dithiocarbamate as single-source molecular precursor. Solid State Sciences, 2010, 12, 532-535.	1.5	35
124	Synthesis of nanocrystalline CdS from cadmium(II) complex of S-benzyl dithiocarbamate as a precursor. Solid State Sciences, 2010, 12, 1741-1747.	1.5	21
125	Colloidal TiO <sub>2</sub> nanocrystals prepared from peroxotitanium complex solutions: Phase evolution from different precursors. Journal of Colloid and Interface Science, 2010, 346, 66-71.	5.0	24
126	Near-infrared photodetection based on PbS colloidal quantum dots/organic hole conductor. Organic Electronics, 2010, 11, 696-699.	1.4	28



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127	Facile synthesis of nanocrystalline wurtzite CuInS by amine-assisted decomposition of precursors. <i>Journal of Solid State Chemistry</i> , 2010, 183, 1872-1877.	1.4	24
128	Photoelectrochemical solar cells fabricated from porous CdSe and CdS layers. <i>Electrochimica Acta</i> , 2010, 55, 5665-5669.	2.6	44
129	Peptide-templating dye-sensitized solar cells. <i>Nanotechnology</i> , 2010, 21, 185601.	1.3	36
130	Low temperature preparation of NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> by sol-gel method. <i>International Journal of Nanotechnology</i> , 2010, 7, 1077.	0.1	12
131	Evolution of Phase and Morphology of Titanium Dioxide Induced from Peroxo Titanate Complex Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 163-169.	0.9	2
132	Quantum-Dot-Sensitized Solar Cells Fabricated by the Combined Process of the Direct Attachment of Colloidal CdSe Quantum Dots Having a ZnS Glue Layer and Spray Pyrolysis Deposition. <i>Langmuir</i> , 2010, 26, 18576-18580.	1.6	50
133	Performance enhancement through post-treatments of CdS-sensitized solar cells fabricated by spray pyrolysis deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 1648-1652.	4.0	51
134	CdS or CdSe decorated TiO <sub>2</sub> nanotube arrays from spray pyrolysis deposition: use in photoelectrochemical cells. <i>Chemical Communications</i> , 2010, 46, 2385.	2.2	124
135	Improved Photovoltaic Response of Nanocrystalline CdS-Sensitized Solar Cells through Interface Control. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 1343-1348.	4.0	49
136	Nanocomposites of Ferroelectric Polymers with TiO <sub>2</sub> Nanoparticles Exhibiting Significantly Enhanced Electrical Energy Density. <i>Advanced Materials</i> , 2009, 21, 217-221.	11.1	471
137	Synthesis, spectroscopy and thermal behavior of new lead(II) complexes derived from S-methyl/benzylthiocarbazates (SMDTC/SBDTC): X-ray crystal structure of [Pb(SMDTC)(NO <sub>3</sub> ) <sub>2</sub> ]. <i>Inorganica Chimica Acta</i> , 2009, 362, 2603-2608.	1.2	19
138	Morphological and phase evolution of TiO <sub>2</sub> nanocrystals prepared from peroxotitanate complex aqueous solution: Influence of acetic acid. <i>Journal of Solid State Chemistry</i> , 2009, 182, 749-756.	1.4	59
139	Cu <sub>2</sub> S-deposited mesoporous NiO photocathode for a solar cell. <i>Chemical Physics Letters</i> , 2009, 477, 345-348.	1.2	32
140	Facile preparation of large aspect ratio ellipsoidal anatase TiO <sub>2</sub> nanoparticles and their application to dye-sensitized solar cell. <i>Electrochemistry Communications</i> , 2009, 11, 909-912.	2.3	73
141	Regenerative PbS and CdS Quantum Dot Sensitized Solar Cells with a Cobalt Complex as Hole Mediator. <i>Langmuir</i> , 2009, 25, 7602-7608.	1.6	270
142	Synthesis and spectroscopic characterization of new iron(III) complexes of S-Alkyl/Aryl dithiocarbazates of 5-methyl-3-formylpyrazole and 5-methyl-3-formylpyrazolyl-thiosemicarbazones. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2009, 35, 526-533.	0.3	3
143	ZnSe colloidal nanoparticles synthesized by solvothermal method in the presence of ZrCl <sub>4</sub> . <i>Journal of Colloid and Interface Science</i> , 2008, 322, 473-477.	5.0	19
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