Shao-Sian Li

List of Publications by Citations

47 papers	3,170 citations	26 h-index	50 g-index
50 ext. papers	3,436 ext. citations	12.2 avg, IF	4.81 L-index

#	Paper	IF	Citations
47	Solution-processable graphene oxide as an efficient hole transport layer in polymer solar cells. *ACS Nano*, **2010**, 4, 3169-74	16.7	668
46	Tunable photoluminescence from graphene oxide. *Angewandte Chemie - International Edition*, **2012**, 51, 6662-6	16.4	520
45	Interfacial nanostructuring on the performance of polymer/TiO2 nanorod bulk heterojunction solar cells. *Journal of the American Chemical Society*, **2009**, 131, 3644-9	16.4	277
44	Top laminated graphene electrode in a semitransparent polymer solar cell by simultaneous thermal annealing/releasing method. *ACS Nano*, **2011**, 5, 6564-70	16.7	172
43	Clean-lifting transfer of large-area residual-free graphene films. *Advanced Materials*, **2013**, 25, 4521-6	24	139
42	Intermixing-seeded growth for high-performance planar heterojunction perovskite solar cells assisted by precursor-capped nanoparticles. *Energy and Environmental Science*, **2016**, 9, 1282-1289	35.4	125
41	Low-Threshold Lasing from 2D Homologous Organic-Inorganic Hybrid Ruddlesden-Popper Perovskite Single Crystals. *Nano Letters*, **2018**, 18, 3221-3228	11.5	124
40	Solution-processable pyrite FeS(2) nanocrystals for the fabrication of heterojunction photodiodes with visible to NIR photodetection. *Advanced Materials*, **2012**, 24, 3415-20	24	99
39	Study of the effect of annealing process on the performance of P3HT/PCBM photovoltaic devices using scanning-probe microscopy. *Solar Energy Materials and Solar Cells*, **2009**, 93, 888-892	6.4	96
38	Self-encapsulated doping of n-type graphene transistors with extended air stability. *ACS Nano*, **2012**, 6, 6215-21	16.7	65
37	Interplay of three-dimensional morphologies and photocarrier dynamics of polymer/TiO2 bulk heterojunction solar cells. *Journal of the American Chemical Society*, **2011**, 133, 11614-20	16.4	64
36	Polymer□metal-oxide hybrid solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 10574	13	56
35	Employing an amphiphilic interfacial modifier to enhance the performance of a poly(3-hexyl thiophene)/TiO2 hybrid solar cell. *Journal of Materials Chemistry*, **2011**, 21, 4450		55
34	Extended visible to near-infrared harvesting of earth-abundant FeS2□TiO2 heterostructures for highly active photocatalytic hydrogen evolution. *Green Chemistry*, **2018**, 20, 1640-1647	10	47
33	Atomic-scale interfacial band mapping across vertically phased-separated polymer/fullerene hybrid solar cells. *Nano Letters*, **2013**, 13, 2387-92	11.5	46
32	Solution processable nanocarbon platform for polymer solar cells. *Energy and Environmental Science*, **2011**, 4, 3521	35.4	43
31	Spatially Resolved Imaging on Photocarrier Generations and Band Alignments at Perovskite/PbI Heterointerfaces of Perovskite Solar Cells by Light-Modulated Scanning Tunneling Microscopy. *Nano Letters*, **2017**, 17, 1154-1160	11.5	41

30	Self-Assembly Atomic Stacking Transport Layer of 2D Layered Titania for Perovskite Solar Cells with Extended UV Stability. *Advanced Energy Materials*, **2018**, 8, 1701722	21.8	41
29	Electric field-assisted self-organization of polymer:fullerene hybrids on the photovoltaic performance. *Energy and Environmental Science*, **2011**, 4, 2134	35.4	38
28	Surface Oxidation Doping to Enhance Photogenerated Carrier Separation Efficiency for Ultrahigh Gain Indium Selenide Photodetector. *ACS Photonics*, **2017**, 4, 2930-2936	6.3	34
27	Precisely Controlled Ultrastrong Photoinduced Doping at Graphene-Heterostructures Assisted by Trap-State-Mediated Charge Transfer. *Advanced Materials*, **2015**, 27, 7809-15	24	34
26	Facilely Synthesized spiro[fluorene-9,9'-phenanthren-10'-one] in Donor-Acceptor-Donor Hole-Transporting Materials for Perovskite Solar Cells. *ChemSusChem*, **2018**, 11, 3225-3233	8.3	33
25	Quantum Dot Light-Emitting Diode Using Solution-Processable Graphene Oxide as the Anode Interfacial Layer. *Journal of Physical Chemistry C*, **2012**, 116, 10181-10185	3.8	31
24	Near infrared photodetector based on polymer and indium nitride nanorod organic/inorganic hybrids. *Scripta Materialia*, **2010**, 63, 653-656	5.6	30
23	Tunable Photoluminescence from Graphene Oxide. *Angewandte Chemie*, **2012**, 124, 6766-6770	3.6	28
22	Fabrication of ordered metallic glass nanotube arrays for label-free biosensing with diffractive reflectance. *Biosensors and Bioelectronics*, **2018**, 102, 129-135	11.8	27
21	Iron Pyrite/Titanium Dioxide Photoanode for Extended Near Infrared Light Harvesting in a Photoelectrochemical Cell. *Scientific Reports*, **2016**, 6, 20397	4.9	23
20	Wavelength-selective dual p- and n-type carrier transport of an organic/graphene/inorganic heterostructure. *Advanced Materials*, **2015**, 27, 282-7	24	21
19	Photoluminescence quenching of graphene oxide by metal ions in aqueous media. *Carbon*, **2015**, 82, 24-30	10.4	21
18	Light and Matter Interaction in Two-Dimensional Atomically Thin Films. *Bulletin of the Chemical Society of Japan*, **2018**, 91, 761-771	5.1	21
17	Polymer/Metal Oxide Nanocrystals Hybrid Solar Cells. *IEEE Journal of Selected Topics in Quantum Electronics*, **2010**, 16, 1635-1640	3.8	20
16	Unveiling the Nanoparticle-Seeded Catalytic Nucleation Kinetics of Perovskite Solar Cells by Time-Resolved GIXS. *Advanced Functional Materials*, **2019**, 29, 1902582	15.6	18
15	Critical Intermediate Structure That Directs the Crystalline Texture and Surface Morphology of Organo-Lead Trihalide Perovskite. *ACS Applied Materials & Interfaces*, **2017**, 9, 36897-36906	9.5	17
14	Tunable Photoinduced Carrier Transport of a Black Phosphorus Transistor with Extended Stability Using a Light-Sensitized Encapsulated Layer. *ACS Photonics*, **2016**, 3, 1102-1108	6.3	16
13	Bulk intermixing-type perovskite $CH_3NH_3PbI_3$/TiO_2 nanorod hybrid solar cells. *Nanoscale*, **2015**, 7, 14532-7	7.7	15

12	Exploring the Origin of Phase-Transformation Kinetics of CsPbI Perovskite Nanocrystals Based on Activation Energy Measurements. *Journal of Physical Chemistry Letters*, **2020**, 11, 3287-3293	6.4	14
11	Stoichiometric dependence of TiOx as a cathode modifier on band alignment of polymer solar cells. *Solar Energy Materials and Solar Cells*, **2014**, 125, 233-238	6.4	10
10	Dependence of Nanocrystal Dimensionality on the Polymer Nanomorphology, Anisotropic Optical Absorption, and Carrier Transport in P3HT:TiO2 Bulk Heterojunctions. *Journal of Physical Chemistry C*, **2012**, 116, 25081-25088	3.8	10
9	Fabrication of Cu2ZnSnSe4 solar cells through multi-step selenization of layered metallic precursor film. *Thin Solid Films*, **2016**, 618, 42-49	2.2	8
8	Origin of Extended UV Stability of 2D Atomic Layer Titania-Based Perovskite Solar Cells Unveiled by Ultrafast Spectroscopy. *ACS Applied Materials & Interfaces*, **2019**, 11, 21473-21480	9.5	6
7	Interactions between fluorescence of atomically layered graphene oxide and metallic nanoparticles. *Nanoscale*, **2013**, 5, 1687-91	7.7	6
6	Preparation of CuCrO Hollow Nanotubes from an Electrospun AlO Template. *Nanomaterials*, **2019**, 9,	5.4	4
5	Dual Functional Polymer Interlayer for Facilitating Ion Transport and Reducing Charge Recombination in Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 33666-33672	9.5	2
4	Accelerated Formation of 2D Ruddlesden–Popper Perovskite Thin Films by Lewis Bases for High Efficiency Solar Cell Applications. *Nanomaterials*, **2022**, 12, 1816	5.4	2
3	[2.2]Paracyclophane-based hole-transporting materials for perovskite solar cells. *Journal of Power Sources*, **2021**, 491, 229543	8.9	1
2	Stabilized High-Membered and Phase-Pure 2D All Inorganic Ruddlesden-Popper Halide Perovskites Nanocrystals as Photocatalysts for the CO Reduction Reaction.. *Small*, **2022**, e2107881	11	0
1	Airway Exposure to 1,3-Beta-d-Glucan Induces Airway Hyperresponsiveness in Guinea Pigs.. *ACS Pharmacology and Translational Science*, **2022**, 5, 169-175	5.9	