Kuo-Chuan Ho

List of Publications by Year in Descending Order

462 papers	20,796 citations	72 h-index	112 g-index
481 ext. papers	22,459 ext. citations	7.8 avg, IF	7.15 L-index

#	Paper	IF	Citations
462	New energy harvesting using conjugated chalconyl-organosiloxyl framework. *Materials Chemistry and Physics*, **2022**, 279, 125751	4.4	
461	Surface-engineered N-doped carbon nanotubes with B-doped graphene quantum dots: Strategies to develop highly-efficient noble metal-free electrocatalyst for online-monitoring dissolved oxygen biosensor. *Carbon*, **2022**, 186, 406-415	10.4	6
460	Designing a hybrid type photoelectrochromic device with dual coloring modes for realizing ultrafast response/high optical contrast self-powered smart windows. *Nano Energy*, **2021**, 90, 106575	17.1	2
459	Durable Electrochromic Devices Driven at 0.8 V by Complementary Chromic Combination of Metallo-Supramolecular Polymer and Prussian Blue Analogues for Smart Windows with Low-Energy Consumption. *ACS Applied Electronic Materials*, **2021**, 3, 2123-2135	4	6
458	Orientation-Adjustable Metal-Organic Framework Nanorods for Efficient Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2021**, 13, 28242-28251	9.5	6
457	Dithienopyrrole-based dianchoring dyes: Effect of molecular design and donors on the optical and photovoltaic properties. *Journal of Luminescence*, **2021**, 230, 117727	3.8	1
456	A novel multifunctional polymer ionic liquid as an additive in iodide electrolyte combined with silver mirror coating counter electrodes for quasi-solid-state dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2021**, 9, 4907-4921	13	8
455	Achieving low-driving voltage electrochromic devices with N-methylphenothiazine derived ionic liquid. *Chemical Engineering Journal*, **2021**, 420, 129821	14.7	0
454	Designing bimetallic Ni-based layered double hydroxides for enzyme-free electrochemical lactate biosensors. *Sensors and Actuators B: Chemical*, **2021**, 346, 130505	8.5	1
453	Prussian Blue Analogue-Derived Metal Oxides as Electrocatalysts for Oxygen Evolution Reaction: Tailoring the Molar Ratio of Cobalt to Iron. *ACS Applied Energy Materials*, **2020**, 3, 11752-11762	6.1	9
452	Additive Engineering by Bifunctional Guanidine Sulfamate for Highly Efficient and Stable Perovskites Solar Cells. *Small*, **2020**, 16, e2004877	11	14
451	Asymmetric Benzotrithiophene-Based Hole Transporting Materials Provide High-Efficiency Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2020**,	9.5	4
450	Thioalkyl-Functionalized Bithiophene (SBT)-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 15071-15079	9.5	12
449	Boron Nitride/Sulfonated Polythiophene Composite Electrocatalyst as the TCO and Pt-Free Counter Electrode for Dye-Sensitized Solar Cells: 21% at Dim Light. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5251-5259	8.3	15
448	Cobalt-tungsten diselenide-supported nickel foam as a battery-type positive electrode for an asymmetric supercapacitor device: comparison with various MWSe (M = Ni, Cu, Zn, and Mn) on the structural and capacitance characteristics. *Nanoscale*, **2020**, 12, 15752-15766	7.7	8
447	Porous organic polymer derived metal-free carbon composite as an electrocatalyst for CO2 reduction and water splitting. *Journal of the Taiwan Institute of Chemical Engineers*, **2020**, 106, 183-190	5.3	8
446	Incorporating electrospun nanofibers of TEMPO-grafted PVDF-HFP polymer matrix in viologen-based electrochromic devices. *Solar Energy Materials and Solar Cells*, **2020**, 208, 110375	6.4	10

445	N- and S-codoped graphene hollow nanoballs as an efficient Pt-free electrocatalyst for dye-sensitized solar cells. *Journal of Power Sources*, **2020**, 449, 227470	8.9	14
444	Flexible rewritable electrochromic device with handwriting feature. *Solar Energy Materials and Solar Cells*, **2020**, 217, 110738	6.4	1
443	Stoichiometry-Controlled MoWTe Nanowhiskers: A Novel Electrocatalyst for Pt-Free Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 34815-34824	9.5	3
442	Metal-free efficient dye-sensitized solar cells based on thioalkylated bithiophenyl organic dyes. *Journal of Materials Chemistry C*, **2020**, 8, 15322-15330	7.1	11
441	Effect of auxiliary donors and position of benzothiadiazole on the optical and photovoltaic properties of dithieno[3,2-b:2?,3?-d]pyrrole-based sensitizers. *Solar Energy*, **2020**, 208, 539-547	6.8	5
440	Oxygen Plasma Activation of Carbon Nanotubes-Interconnected Prussian Blue Analogue for Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2020**, 12, 42634-42643	9.5	16
439	Transparent Cobalt Selenide/Graphene Counter Electrode for Efficient Dye-Sensitized Solar Cells with Co/-Based Redox Couple. *ACS Applied Materials & Interfaces*, **2020**, 12, 44597-44607	9.5	12
438	Comparisons of the electrochromic properties of Poly(hydroxymethyl 3,4-ethylenedioxythiophene) and Poly(3,4- ethylenedioxythiophene) thin films and the photoelectrochromic devices using these thin films. *Solar Energy Materials and Solar Cells*, **2019**, 202, 110132	6.4	10
437	Synthesis and characterization of bimetallic nickel-cobalt chalcogenides (NiCoSe2, NiCo2S4, and NiCo2O4) for non-enzymatic hydrogen peroxide sensor and energy storage: Electrochemical properties dependence on the metal-to-chalcogen composition. *Renewable Energy*, **2019**, 138, 139-151	8.1	36
436	Defect and Additional Active Sites on the Basal Plane of Manganese-Doped Molybdenum Diselenide for Effective Enzyme Immobilization: In Vitro and in Vivo Real-Time Analyses of Hydrogen Peroxide Sensing. *ACS Applied Materials & Interfaces*, **2019**, 11, 7862-7871	9.5	27
435	A review of electrode materials based on core□shell nanostructures for electrochemical supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 3516-3530	13	120
434	Effect of trifluoromethyl substituents in benzyl-based viologen on the electrochromic performance: Optical contrast and stability. *Solar Energy Materials and Solar Cells*, **2019**, 200, 110020	6.4	7
433	Active-Site-Rich 1T-Phase CoMoSe Integrated Graphene Oxide Nanocomposite as an Efficient Electrocatalyst for Electrochemical Sensor and Energy Storage Applications. *Analytical Chemistry*, **2019**, 91, 8358-8365	7.8	24
432	Synthesis of Surfactant-Free and Morphology-Controllable Vanadium Diselenide for Efficient Counter Electrodes in Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 25090-25099	9.5	16
431	A complementary electrochromic device composed of nanoparticulated ruthenium purple and Fe(II)-based metallo-supramolecular polymer. *Solar Energy Materials and Solar Cells*, **2019**, 200, 109929	6.4	3
430	A panchromatic electrochromic device composed of Ru(II)/Fe(II)-based heterometallo-supramolecular polymer. *Journal of Materials Chemistry C*, **2019**, 7, 7554-7562	7.1	19
429	A Pt-free pristine monolithic carbon aerogel counter electrode for dye-sensitized solar cells: up to 20% under dim light illumination. *Nanoscale*, **2019**, 11, 12507-12516	7.7	18
428	Transition-Metal-Doped Molybdenum Diselenides with Defects and Abundant Active Sites for Efficient Performances of Enzymatic Biofuel Cell and Supercapacitor Applications. *ACS Applied Materials & Interfaces*, **2019**, 11, 18483-18493	9.5	32

427	Viologen-based electrochromic materials and devices. *Journal of Materials Chemistry C*, **2019**, 7, 4622-4637	7.1	157
426	Bimetallic vanadium cobalt diselenide nanosheets with additional active sites for excellent asymmetric pseudocapacitive performance: comparing the electrochemical performances with M□CoSe2 (M = Zn, Mn, and Cu). *Journal of Materials Chemistry A*, **2019**, 7, 12565-12581	13	48
425	Triazine-branched mono- and dianchoring organic dyes: Effect of acceptor arms on optical and photovoltaic properties. *Dyes and Pigments*, **2019**, 165, 182-192	4.6	3
424	Effect of electron rich □linkers on the functional properties of dyes featuring dithieno[3,2-b:2?,3?-d]pyrrole donor. *Dyes and Pigments*, **2019**, 160, 614-623	4.6	2
423	Influence of ferrocyanide on the long-term stability of poly(butyl viologen) thin film based electrochromic devices. *Solar Energy Materials and Solar Cells*, **2019**, 200, 110012	6.4	8
422	Electrochemical sensing of anti-inflammatory agent in paramedical sample based on FeMoSe modified SPCE: Comparison of various preparation methods and morphological effects. *Analytica Chimica Acta*, **2019**, 1083, 88-100	6.6	8
421	Fine tuning the absorption and photovoltaic properties of benzothiadiazole dyes by donor-acceptor interaction alternation via methyl position. *Electrochimica Acta*, **2019**, 304, 1-10	6.7	13
420	Hierarchical urchin-like CoSe2/CoSeO3 electro-catalysts for dye-sensitized solar cells: up to 19% PCE under dim light illumination. *Journal of Materials Chemistry A*, **2019**, 7, 26089-26097	13	7
419	Designing a carbon nanotubes-interconnected ZIF-derived cobalt sulfide hybrid nanocage for supercapacitors. *Journal of Materials Chemistry A*, **2019**, 7, 1479-1490	13	69
418	Phase-Engineered Weyl Semi-Metallic MoxW1-xTe2 Nanosheets as a Highly Efficient Electrocatalyst for Dye-Sensitized Solar Cells. *Solar Rrl*, **2019**, 3, 1800314	7.1	10
417	Coral-like perovskite nanostructures for enhanced light-harvesting and accelerated charge extraction in perovskite solar cells. *Nano Energy*, **2019**, 58, 138-146	17.1	22
416	Platinum nanoparticles decorated graphene nanoribbon with eco-friendly unzipping process for electrochemical sensors. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 96, 566-574	5.3	13
415	Ultrasound-assisted synthesis of two-dimensional layered ytterbium substituted molybdenum diselenide nanosheets with excellent electrocatalytic activity for the electrochemical detection of diphenylamine anti-scald agent in fruit extract. *Ultrasonics Sonochemistry*, **2019**, 50, 265-277	8.9	18
414	One-step synthesis of graphene hollow nanoballs with various nitrogen-doped states for electrocatalysis in dye-sensitized solar cells. *Materials Today Energy*, **2018**, 8, 15-21	7	17
413	A zeolitic imidazolate framework-derived ZnSe/N-doped carbon cube hybrid electrocatalyst as the counter electrode for dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 5107-5118	13	39
412	Organic dyes festooned with fluorene and fused thiazine for efficient dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 268, 347-357	6.7	8
411	Double-Wall TiO2 Nanotubes for Dye-Sensitized Solar Cells: A Study of Growth Mechanism. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3907-3915	8.3	21
410	Boron-doped carbon nanotubes as metal-free electrocatalyst for dye-sensitized solar cells: Heteroatom doping level effect on tri-iodide reduction reaction. *Journal of Power Sources*, **2018**, 375, 29-36	8.9	46

409	Multi-color electrochromic devices based on phenyl and heptyl viologens immobilized with UV-cured polymer electrolyte. *Solar Energy Materials and Solar Cells*, **2018**, 177, 75-81	6.4	37
408	Electrospun nanofibers composed of poly(vinylidene fluoride-co-hexafluoropropylene) and poly(oxyethylene)-imide imidazolium tetrafluoroborate as electrolytes for solid-state electrochromic devices. *Solar Energy Materials and Solar Cells*, **2018**, 177, 32-43	6.4	12
407	Synthesis and characterization of naphthalimide-based dyes for dye sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 16565-16580	2.1	3
406	Enhanced Organic Solar Cell Performance by Lateral Side Chain Engineering on Benzodithiophene-Based Small Molecules. *ACS Applied Energy Materials*, **2018**, 1, 3684-3692	6.1	6
405	Synthesis and Characterization of Samarium-Substituted Molybdenum Diselenide and Its Graphene Oxide Nanohybrid for Enhancing the Selective Sensing of Chloramphenicol in a Milk Sample. *ACS Applied Materials & Interfaces*, **2018**, 10, 29712-29723	9.5	34
404	Electrospun membranes of imidazole-grafted PVDF-HFP polymeric ionic liquids for highly efficient quasi-solid-state dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 14215-14223	13	23
403	Designing Novel Poly(oxyalkylene)-Segmented Ester-Based Polymeric Dispersants for Efficient TiO Photoanodes of Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 38394-38403	9.5	2
402	Poly(ionic liquid)s for dye-sensitized solar cells: A mini-review. *European Polymer Journal*, **2018**, 108, 420-428	5.8	28
401	Dye-Sensitized Solar Cells **2018**, 270-281		1
400	Use of organic materials in dye-sensitized solar cells. *Materials Today*, **2017**, 20, 267-283	21.8	160
399	A paper-based electrode using a graphene dot/PEDOT:PSS composite for flexible solar cells. *Nano Energy*, **2017**, 36, 260-267	17.1	115
398	Effect of Donors on Photophysical, Electrochemical and Photovoltaic Properties of Benzimidazole-Branched Dyes. *ChemistrySelect*, **2017**, 2, 2807-2814	1.8	3
397	Metal-free branched alkyl tetrathienoacene (TTAR)-based sensitizers for high-performance dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 12310-12321	13	45
396	Hierarchical TiO1.1Se0.9-wrapped carbon cloth as the TCO-free and Pt-free counter electrode for iodide-based and cobalt-based dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 14079-14091	13	23
395	Boron-doped carbon nanotubes with uniform boron doping and tunable dopant functionalities as an efficient electrocatalyst for dopamine oxidation reaction. *Sensors and Actuators B: Chemical*, **2017**, 248, 288-297	8.5	25
394	A novel ionic liquid with stable radical as the electrolyte for hybrid type electrochromic devices. *Solar Energy Materials and Solar Cells*, **2017**, 166, 61-68	6.4	7
393	Performance Characterization of Dye-Sensitized Photovoltaics under Indoor Lighting. *Journal of Physical Chemistry Letters*, **2017**, 8, 1824-1830	6.4	43
392	Effective suppression of interfacial charge recombination by a 12-crown-4 substituent on a double-anchored organic sensitizer and rotating disk electrochemical evidence. *Journal of Materials Chemistry A*, **2017**, 5, 7586-7594	13	29

391	Solution-growth-synthesized Cu(In,Ga)Se 2 nanoparticles in ethanol bath for the applications of dye-sensitized solar cell and photoelectrochemical reaction. *Journal of the Taiwan Institute of Chemical Engineers*, **2017**, 74, 136-145	5.3	3
390	Fused heterocycles possessing novel metal-free organic dyes for dye-sensitized solar cells. *Tetrahedron*, **2017**, 73, 278-289	2.4	12
389	Metal-organic framework/sulfonated polythiophene on carbon cloth as a flexible counter electrode for dye-sensitized solar cells. *Nano Energy*, **2017**, 32, 19-27	17.1	90
388	Zinc oxide based dye-sensitized solar cells: A review. *Renewable and Sustainable Energy Reviews*, **2017**, 70, 920-935	16.2	229
387	Synthesis of MOF-525 Derived Nanoporous Carbons with Different Particle Sizes for Supercapacitor Application. *Chemistry - an Asian Journal*, **2017**, 12, 2857-2862	4.5	39
386	Enhanced Charge Collection in MOF-525-PEDOT Nanotube Composites Enable Highly Sensitive Biosensing. *Advanced Science*, **2017**, 4, 1700261	13.6	52
385	Effect of electron-deficient linkers on the physical and photovoltaic properties of dithienopyrrole-based organic dyes. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 18404-18417	2.1	1
384	Prussian Blue-Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinum-Free Counter Electrodes for Highly Efficient Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2017**, 23, 13263-13263	4.8	
383	Microemulsion-controlled synthesis of CoSe 2 /CoSeO 3 composite crystals for electrocatalysis in dye-sensitized solar cells. *Materials Today Energy*, **2017**, 6, 189-197	7	18
382	Azafluorene Ornamented Thiazine Based Novel Fused Heterocyclic Organic Dyes for Competent Molecular Photovoltaics. *Electrochimica Acta*, **2017**, 246, 1052-1064	6.7	11
381	Prussian Blue-Derived Synthesis of Hollow Porous Iron Pyrite Nanoparticles as Platinum-Free Counter Electrodes for Highly Efficient Dye-Sensitized Solar Cells. *Chemistry - A European Journal*, **2017**, 23, 13284-13288	4.8	22
380	Thermally Stable Boron-Doped Multiwalled Carbon Nanotubes as a Pt-free Counter Electrode for Dye-Sensitized Solar Cells. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 537-546	8.3	30
379	A high contrast solid-state electrochromic device based on nano-structural Prussian blue and poly(butyl viologen) thin films. *Solar Energy Materials and Solar Cells*, **2016**, 145, 35-41	6.4	35
378	An electrochromic device based on all-in-one polymer gel through in-situ thermal polymerization. *Solar Energy Materials and Solar Cells*, **2016**, 145, 61-68	6.4	27
377	Organic dyes containing fluorenylidene functionalized phenothiazine donors as sensitizers for dye sensitized solar cells. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 12392-12404	2.1	3
376	Bi-anchoring Organic Dyes that Contain Benzimidazole Branches for Dye-Sensitized Solar Cells: Effects of π-Spacer and Peripheral Donor Groups. *Chemistry - an Asian Journal*, **2016**, 11, 2564-77	4.5	29
375	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
374	Achieving Low-Energy Driven Viologens-Based Electrochromic Devices Utilizing Polymeric Ionic Liquids. *ACS Applied Materials & Interfaces*, **2016**, 8, 30351-30361	9.5	70

373	Novel metal-free organic dyes possessing fused heterocyclic structural motifs for efficient molecular photovoltaics. *Physical Chemistry Chemical Physics*, **2016**, 18, 30105-30116	3.6	7
372	Efficiency Enhancement of Hybrid Perovskite Solar Cells with MEH-PPV Hole-Transporting Layers. *Scientific Reports*, **2016**, 6, 34319	4.9	63
371	In situ growth of porphyrinic metal□organic framework nanocrystals on graphene nanoribbons for the electrocatalytic oxidation of nitrite. *Journal of Materials Chemistry A*, **2016**, 4, 10673-10682	13	85
370	Nitrogen-doped graphene/molybdenum disulfide composite as the electrocatalytic film for dye-sensitized solar cells. *Electrochimica Acta*, **2016**, 211, 164-172	6.7	17
369	ZnO double layer film with a novel organic sensitizer as an efficient photoelectrode for dye□sensitized solar cells. *Journal of Power Sources*, **2016**, 325, 209-219	8.9	14
368	Inkjet-printed porphyrinic metal□organic framework thin films for electrocatalysis. *Journal of Materials Chemistry A*, **2016**, 4, 11094-11102	13	50
367	Multifunctional Iodide-Free Polymeric Ionic Liquid for Quasi-Solid-State Dye-Sensitized Solar Cells with a High Open-Circuit Voltage. *ACS Applied Materials & Interfaces*, **2016**, 8, 15267-78	9.5	34
366	Eleventh International Meeting on Electrochromism (IME-11). *Solar Energy Materials and Solar Cells*, **2016**, 145, 1	6.4	1
365	Metal-Organic Framework Colloids: Disassembly and Deaggregation. *Langmuir*, **2016**, 32, 6123-9	4	13
364	MoSe2 nanosheet/poly(3,4-ethylenedioxythiophene): poly(styrenesulfonate) composite film as a Pt-free counter electrode for dye-sensitized solar cells. *Electrochimica Acta*, **2016**, 211, 794-803	6.7	30
363	Integration of polyelectrolyte based electrochromic material in printable photovoltaic electrochromic module. *Solar Energy Materials and Solar Cells*, **2016**, 145, 69-75	6.4	12
362	Hierarchically assembled microspheres consisting of nanosheets of highly exposed (001)-facets TiO2 for dye-sensitized solar cells. *RSC Advances*, **2016**, 6, 14178-14191	3.7	21
361	Composite films of carbon black nanoparticles and sulfonated-polythiophene as flexible counter electrodes for dye-sensitized solar cells. *Journal of Power Sources*, **2016**, 302, 155-163	8.9	60
360	Synthesis and characterization of thieno[3,4- d]imidazole-based organic sensitizers for photoelectrochemical cells. *Dyes and Pigments*, **2016**, 129, 60-70	4.6	8
359	Mesoporous anatase-TiO 2 spheres consisting of nanosheets of exposed (001)-facets for [Co(byp) 3] 2+/3+ based dye-sensitized solar cells. *Nano Energy*, **2016**, 22, 136-148	17.1	15
358	Nanoclimbing-wall-like CoSe 2 /carbon composite film for the counter electrode of a highly efficient dye-sensitized solar cell: A study on the morphology control. *Nano Energy*, **2016**, 22, 594-606	17.1	67
357	Thermally Cured Dual Functional Viologen-Based All-in-One Electrochromic Devices with Panchromatic Modulation. *ACS Applied Materials & Interfaces*, **2016**, 8, 4175-84	9.5	51
356	Benzimidazole-Branched Isomeric Dyes: Effect of Molecular Constitution on Photophysical, Electrochemical, and Photovoltaic Properties. *Journal of Organic Chemistry*, **2016**, 81, 640-53	4.2	49

355	An electrochromic device based on Prussian blue, self-immobilized vinyl benzyl viologen, and ferrocene. *Solar Energy Materials and Solar Cells*, **2016**, 147, 75-84	6.4	59
354	Synergistic improvements in stability and performance of lead iodide perovskite solar cells incorporating salt additives. *Journal of Materials Chemistry A*, **2016**, 4, 1591-1597	13	158
353	A template-free synthesis of the hierarchical hydroxymethyl PEDOT tube-coral array and its application in dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 384-394	13	28
352	Heteroleptic Ruthenium Sensitizers with Hydrophobic Fused-Thiophenes for Use in Efficient Dye-Sensitized Solar Cells. *European Journal of Inorganic Chemistry*, **2016**, 2016, 1214-1224	2.3	15
351	Microemulsion-assisted Zinc Oxide Synthesis: Morphology Control and Its Applications in Photoanodes of Dye-Sensitized Solar Cells. *Electrochimica Acta*, **2016**, 210, 483-491	6.7	17
350	Earth Abundant Silicon Composites as the Electrocatalytic Counter Electrodes for Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 7037-46	9.5	24
349	Water processable Prussian blue–polyaniline:polystyrene sulfonate nanocomposite (PB–PANI:PSS) for multi-color electrochromic applications. *Journal of Materials Chemistry C*, **2016**, 4, 10293-10300	7.1	33
348	A Novel Gel Electrolyte Based on Polyurethane for Highly Efficient in Dye-sensitized Solar Cells. *Journal of Polymer Research*, **2016**, 23, 1	2.7	6
347	Fluorene-based sensitizers with a phenothiazine donor: effect of mode of donor tethering on the performance of dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 2249-62	9.5	72
346	Porphyrin-based metal–organic framework thin films for electrochemical nitrite detection. *Electrochemistry Communications*, **2015**, 58, 51-56	5.1	138
345	Application of triphenylamine dendritic polymer in a complementary electrochromic device with panchromatic absorption. *Solar Energy Materials and Solar Cells*, **2015**, 143, 174-182	6.4	10
344	Organic dyes containing fluoreneamine donor and carbazole linker for dye-sensitized solar cells. *Dyes and Pigments*, **2015**, 123, 154-165	4.6	29
343	Synthesis and photovoltaic properties of organic dyes containing N-fluoren-2-yl dithieno[3,2-b:2?,3?-d]pyrrole and different donors. *Organic Electronics*, **2015**, 26, 109-116	3.5	20
342	Quantitative Characterization and Mechanism of Formation of Multilength-scale Bulk Heterojunction Structures in Highly Efficient Solution-Processed Small-Molecule Organic Solar Cells. *Journal of Physical Chemistry C*, **2015**, 119, 16507-16517	3.8	8
341	Dye-sensitized solar cells containing mesoporous TiO2 spheres as photoanodes and methyl sulfate anion based biionic liquid electrolytes. *Journal of Materials Chemistry A*, **2015**, 3, 6383-6391	13	14
340	A Switchable High-Sensitivity Photodetecting and Photovoltaic Device with Perovskite Absorber. *Journal of Physical Chemistry Letters*, **2015**, 6, 1773-9	6.4	66
339	A gold surface plasmon enhanced mesoporous titanium dioxide photoelectrode for the plastic-based flexible dye-sensitized solar cells. *Journal of Power Sources*, **2015**, 288, 221-228	8.9	58
338	Catalytic and photoelectrochemical performances of Cu2ZnSnSe thin films prepared using selenization of electrodeposited Cu–Zn–Sn metal precursors. *Journal of Power Sources*, **2015**, 286, 47-57	8.9	11

337	Graphene Nanosheets/Poly(3,4-ethylenedioxythiophene) Nanotubes Composite Materials for Electrochemical Biosensing Applications. *Electrochimica Acta*, **2015**, 172, 61-70	6.7	17
336	Achieving a large contrast, low driving voltage, and high stability electrochromic device with a viologen chromophore. *Journal of Materials Chemistry C*, **2015**, 3, 3266-3272	7.1	34
335	Efficient titanium nitride/titanium oxide composite photoanodes for dye-sensitized solar cells and water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 4695-4705	13	45
334	Iodide-free ionic liquid with dual redox couples for dye-sensitized solar cells with high open-circuit voltage. *ChemSusChem*, **2015**, 8, 1244-53	8.3	33
333	Benzothiadiazole-based organic dyes with pyridine anchors for dye-sensitized solar cells: effect of donor on optical properties. *Tetrahedron*, **2015**, 71, 4203-4212	2.4	31
332	Cobalt Oxide Electrodes-Problem and a Solution Through a Novel Approach using Cetyltrimethylammonium Bromide (CTAB). *Catalysis Reviews - Science and Engineering*, **2015**, 57, 145-191	12.6	9
331	Efficient ternary bulk heterojunction solar cells based on small molecules only. *Journal of Materials Chemistry A*, **2015**, 3, 10512-10518	13	42
330	TCO-free conducting polymers/carbon cloths as the flexible electro-catalytic counter electrodes for dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 24479-24486	13	31
329	Economical low-light photovoltaics by using the Pt-free dye-sensitized solar cell with graphene dot/PEDOT:PSS counter electrodes. *Nano Energy*, **2015**, 18, 109-117	17.1	85
328	Printed Multicolor High-Contrast Electrochromic Devices. *ACS Applied Materials & Interfaces*, **2015**, 7, 25069-76	9.5	65
327	Size effects of platinum nanoparticles on the electrocatalytic ability of the counter electrode in dye-sensitized solar cells. *Nano Energy*, **2015**, 17, 241-253	17.1	38
326	An all-organic solid-state electrochromic device containing poly(vinylidene fluoride-co-hexafluoropropylene), succinonitrile, and ionic liquid. *Solar Energy Materials and Solar Cells*, **2015**, 143, 606-612	6.4	24
325	Post metalation of solvothermally grown electroactive porphyrin metal-organic framework thin films. *Chemical Communications*, **2015**, 51, 2414-7	5.8	75
324	Copper zinc tin sulfide as a catalytic material for counter electrodes in dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 562-569	13	72
323	Anthracene/phenothiazine π-conjugated sensitizers for dye-sensitized solar cells using redox mediator in organic and water-based solvents. *ChemSusChem*, **2015**, 8, 105-13	8.3	34
322	Using poly(3-aminophenylboronic acid) thin film with binding-induced ion flux blocking for amperometric detection of hemoglobin A1c. *Biosensors and Bioelectronics*, **2015**, 63, 317-324	11.8	32
321	Photoelectrochromic Materials and Devices **2015**, 593-622		3
320	Electrochromic Devices Based on Metal Hexacyanometallate/Viologen Pairings **2015**, 91-112		

319	Planar Heterojunction Perovskite Solar Cells Incorporating Metal-Organic Framework Nanocrystals. *Advanced Materials*, **2015**, 27, 7229-35	24	105
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2	Design of a portable potentiostat for electrochemical sensors		2
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