Prashant V Kamat

List of Publications by Year in Descending Order

384 papers	69,027 citations	133 h-index	259 g-index
567 ext. papers	73,237 ext. citations	10.2 avg, IF	8.82 L-index

#	Paper	IF	Citations
384	Photoinduced Transformation of CsAuBr into CsPbBr Nanocrystals.. *Journal of Physical Chemistry Letters*, **2022**, 2921-2927	6.4	2
383	Gas Diffusion Electrodes for CO2 and N2 Reduction: A Virtual Issue. *ACS Energy Letters*, **2022**, 7, 1469-1472	20.1	1
382	Do Sacrificial Donors Donate H2 in Photocatalysis?. *ACS Energy Letters*, **2022**, 7, 242-246	20.1	7
381	Transformation of Perovskite Nanoplatelets to Large Nanostructures Driven by Solvent Polarity **2022**, 4, 93-101		9
380	Managing photoinduced electron transfer in AgInS-CdS heterostructures.. *Journal of Chemical Physics*, **2022**, 156, 174703	3.9	3
379	Directing Energy Transfer in Halide Perovskite-Chromophore Hybrid Assemblies. *Journal of the American Chemical Society*, **2021**, 143, 19214-19223	16.4	12
378	CsPbBr-CdS heterostructure: stabilizing perovskite nanocrystals for photocatalysis. *Chemical Science*, **2021**, 12, 14815-14825	9.4	17
377	Photoinduced Halide Segregation in Ruddlesden-Popper 2D Mixed Halide Perovskite Films. *Advanced Materials*, **2021**, 33, e2105585	24	12
376	Modulation of Photoinduced Iodine Expulsion in Mixed Halide Perovskites with Electrochemical Bias. *Journal of Physical Chemistry Letters*, **2021**, 12, 2615-2621	6.4	6
375	Vectorial Charge Transfer across Bipolar Membrane Loaded with CdS and Au Nanoparticles. *Journal of Physical Chemistry C*, **2021**, 125, 6870-6876	3.8	6
374	Energy Spotlight. *ACS Energy Letters*, **2021**, 6, 1150-1152	20.1	
373	Spacer Cations Dictate Photoinduced Phase Segregation in 2D Mixed Halide Perovskites. *ACS Energy Letters*, **2021**, 6, 2499-2501	20.1	15
372	Advances in Solid-State Batteries, a Virtual Issue. *ACS Energy Letters*, **2021**, 6, 2356-2358	20.1	4
371	State of the Art and Prospects for Halide Perovskite Nanocrystals. *ACS Nano*, **2021**, 15, 10775-10981	16.7	222
370	Electrochemically induced iodine migration in mixed halide perovskites: suppression through chloride insertion. *Chemical Communications*, **2021**, 57, 235-238	5.8	5
369	Women Scientists at the Forefront of Energy Research: A Virtual Issue, Part 3. *ACS Energy Letters*, **2021**, 6, 58-68	20.1	1
368	Light Induced Processes in CsPbBr3Au Hybrid Nanocrystals: Electron Transfer and Expulsion of Au. *Journal of Physical Chemistry C*, **2021**, 125, 17881-17889	3.8	5

367	Energy Spotlight. *ACS Energy Letters*, **2021**, 6, 2983-2984	20.1	
366	Tribute to D. D. Sarma. *Journal of Physical Chemistry C*, **2021**, 125, 19049-19052	3.8	
365	Halide Ion Migration in Perovskite Nanocrystals and Nanostructures. *Accounts of Chemical Research*, **2021**, 54, 520-531	24.3	38
364	Why Seeing Is Not Always Believing: Common Pitfalls in Photocatalysis and Electrocatalysis. *ACS Energy Letters*, **2021**, 6, 707-709	20.1	12
363	Five Common Pitfalls to Avoid while Composing Scientific Figures. *ACS Energy Letters*, **2021**, 6, 4309-4310	20.1	1
362	Iodine (I) Expulsion at Photoirradiated Mixed Halide Perovskite Interface. Should I Stay or Should I Go?. *ACS Energy Letters*, **2020**, 5, 1872-1880	20.1	30
361	Surface Chemistry Matters. How Ligands Influence Excited State Interactions between CsPbBr3 and Methyl Viologen. *Journal of Physical Chemistry C*, **2020**, 124, 12990-12998	3.8	30
360	Challenges and Opportunities in Designing Perovskite Nanocrystal Heterostructures. *ACS Energy Letters*, **2020**, 5, 2253-2255	20.1	24
359	Confronting Racism in Chemistry Journals. *ACS Applied Nano Materials*, **2020**, 3, 6131-6133	5.6	
358	Confronting Racism in Chemistry Journals. *ACS Applied Polymer Materials*, **2020**, 2, 2496-2498	4.3	
357	Confronting Racism in Chemistry Journals. *Organometallics*, **2020**, 39, 2331-2333	3.8	
356	Charge Carrier Recombination Dynamics of Two-Dimensional Lead Halide Perovskites. *Journal of Physical Chemistry Letters*, **2020**, 11, 2570-2576	6.4	35
355	Photoinduced Anion Segregation in Mixed Halide Perovskites. *Trends in Chemistry*, **2020**, 2, 282-301	14.8	81
354	How Chloride Suppresses Photoinduced Phase Segregation in Mixed Halide Perovskites. *Chemistry of Materials*, **2020**, 32, 6206-6212	9.6	37
353	Impact Factor, CiteScore, and Citation Analysis. *ACS Energy Letters*, **2020**, 5, 2452-2453	20.1	1
352	Update to Our Reader, Reviewer, and Author CommunitiesApril 2020. *Energy & Fuels*, **2020**, 34, 5107-5108	4.1	
351	TiO-Assisted Halide Ion Segregation in Mixed Halide Perovskite Films. *Journal of the American Chemical Society*, **2020**, 142, 5362-5370	16.4	49
350	Finding Success through Failures. *ACS Energy Letters*, **2020**, 5, 550-551	20.1	0

349	Update to Our Reader, Reviewer, and Author Communities April 2020. *Organometallics*, **2020**, 39, 1665-1666	3.8	
348	Confronting Racism in Chemistry Journals. *Journal of Chemical Health and Safety*, **2020**, 27, 198-200	1.7	
347	How Interplay between Photo and Thermal Activation Dictates Halide Ion Segregation in Mixed Halide Perovskites. *ACS Energy Letters*, **2020**, 5, 56-63	20.1	75
346	Charge Injection from Excited Cs2AgBiBr6 Quantum Dots into Semiconductor Oxides. *Chemistry of Materials*, **2020**, 32, 510-517	9.6	11
345	Perovskite Photocatalysis. Methyl Viologen Induces Unusually Long-Lived Charge Carrier Separation in CsPbBr3 Nanocrystals. *ACS Energy Letters*, **2020**, 5, 221-223	20.1	46
344	Photoinduced Phase Segregation in Mixed Halide Perovskites: Thermodynamic and Kinetic Aspects of Cl Br Segregation. *Advanced Optical Materials*, **2020**, 9, 2001440	8.1	20
343	Progress in Perovskite Photocatalysis. *ACS Energy Letters*, **2020**, 5, 2602-2604	20.1	36
342	Optimization of the electron transport layer in quantum dot light-emitting devices. *NPG Asia Materials*, **2020**, 12,	10.3	6
341	Suppressed Halide Ion Migration in 2D Lead Halide Perovskites **2020**, 2, 565-570		48
340	Energy Spotlight. *ACS Energy Letters*, **2019**, 4, 2763-2769	20.1	0
339	Energy Selects. *ACS Energy Letters*, **2019**, 4, 2351-2352	20.1	1
338	Probing Perovskite Photocatalysis. Interfacial Electron Transfer between CsPbBr and Ferrocene Redox Couple. *Journal of Physical Chemistry Letters*, **2019**, 10, 6074-6080	6.4	24
337	Temperature-driven anion migration in gradient halide perovskites. *Journal of Chemical Physics*, **2019**, 151, 134703	3.9	19
336	Energy Selects. *ACS Energy Letters*, **2019**, 4, 2569-2570	20.1	
335	Three Pillars of Effective Research. Measurements, Analysis, and Dissemination A Virtual Issue. *ACS Energy Letters*, **2019**, 4, 2473-2474	20.1	2
334	Influence of Plasmonic CuxS Interfacing Layer on Photovoltaic Performance of CIZS Quantum Dot Sensitized Solar Cells. *Journal of the Electrochemical Society*, **2019**, 166, H3133-H3137	3.9	1
333	Electrochemical Hole Injection Selectively Expels Iodide from Mixed Halide Perovskite Films. *Journal of the American Chemical Society*, **2019**, 141, 10812-10820	16.4	73
332	Energy Selects. *ACS Energy Letters*, **2019**, 4, 1455-1457	20.1	4

331	Energy Selects. *ACS Energy Letters*, **2019**, 4, 1204-1205	20.1	
330	ACS Journals Celebrate 10 Years of Perovskite Photovoltaics. *ACS Energy Letters*, **2019**, 4, 1055-1056	20.1	2
329	Perovskite Stories from Around the World. *ACS Energy Letters*, **2019**, 4, 879-887	20.1	3
328	Ag(I)-Thiolate-Protected Silver Nanoclusters for Solar Cells: Electrochemical and Spectroscopic Look into the Photoelectrode/Electrolyte Interface. *ACS Applied Materials & Interfaces*, **2019**, 11, 12492-12503	9.5	31
327	Ten Tips for Capturing Figures with Captions. *ACS Energy Letters*, **2019**, 4, 637-638	20.1	4
326	Tracking Transformative Transitions: From CsPbBr3 Nanocrystals to Bulk Perovskite Films **2019**, 1, 8-13		26
325	A Conversation with Tsutomu (Tom) Miyasaka. *ACS Energy Letters*, **2019**, 4, 832-833	20.1	
324	Bidirectional Halide Ion Exchange in Paired Lead Halide Perovskite Films with Thermal Activation. *ACS Energy Letters*, **2019**, 4, 1961-1969	20.1	47
323	Energy Selects. *ACS Energy Letters*, **2019**, 4, 2021-2023	20.1	2
322	Lithium-Ion Batteries and Beyond: Celebrating the 2019 Nobel Prize in Chemistry A Virtual Issue. *ACS Energy Letters*, **2019**, 4, 2757-2759	20.1	28
321	Tuning the Excited-State Dynamics of CuI Films with Electrochemical Bias. *ACS Energy Letters*, **2019**, 4, 702-708	20.1	8
320	Energy Spotlight: New Inroads in Metal Halide Perovskite Research. *ACS Energy Letters*, **2019**, 4, 3036-3038	20.1	3
319	Optoelectronic Properties of CuI Photoelectrodes. *Journal of Physical Chemistry Letters*, **2019**, 10, 259-264	6.4	13
318	Thiolated Gold Nanoclusters for Light Energy Conversion. *ACS Energy Letters*, **2018**, 3, 840-854	20.1	120
317	A Conversation with Sharon Hammes-Schiffer. *ACS Energy Letters*, **2018**, 3, 1103-1104	20.1	
316	Probing Interfacial Electrochemistry on a Co3O4 Water Oxidation Catalyst Using Lab-Based Ambient Pressure X-ray Photoelectron Spectroscopy. *Journal of Physical Chemistry C*, **2018**, 122, 13894-13901	3.8	24
315	A quantitative and spatially resolved analysis of the performance-bottleneck in high efficiency, planar hybrid perovskite solar cells. *Energy and Environmental Science*, **2018**, 11, 960-969	35.4	34
314	A Conversation with Frans C. De Schryver. *ACS Energy Letters*, **2018**, 3, 191-192	20.1	

313	Light-Induced Anion Phase Segregation in Mixed Halide Perovskites. *ACS Energy Letters*, **2018**, 3, 204-213	20.1	307
312	To Exchange or Not to Exchange. Suppressing Anion Exchange in Cesium Lead Halide Perovskites with PbSO4�Oleate Capping. *ACS Energy Letters*, **2018**, 3, 1049-1055	20.1	80
311	Electrochemistry and Spectroelectrochemistry of Lead Halide Perovskite Films: Materials Science Aspects and Boundary Conditions. *Chemistry of Materials*, **2018**, 30, 561-569	9.6	72
310	Mixed Halide Perovskite Solar Cells. Consequence of Iodide Treatment on Phase Segregation Recovery. *ACS Energy Letters*, **2018**, 3, 2267-2272	20.1	60
309	Plasmons for Energy Conversion. *ACS Energy Letters*, **2018**, 3, 1467-1469	20.1	24
308	Electrodeposition of Hole-Transport Layer on Methylammonium Lead Iodide Film: A Strategy To Assemble Perovskite Solar Cells. *Chemistry of Materials*, **2018**, 30, 4202-4206	9.6	10
307	Hierarchical Arrays of Cesium Lead Halide Perovskite Nanocrystals through Electrophoretic Deposition. *Journal of the American Chemical Society*, **2018**, 140, 8887-8894	16.4	47
306	Hybrid Perovskites for Multijunction Tandem Solar Cells and Solar Fuels. A Virtual Issue. *ACS Energy Letters*, **2018**, 3, 28-29	20.1	30
305	Ligand Assisted Transformation of Cubic CsPbBr3 Nanocrystals into Two-Dimensional CsPb2Br5 Nanosheets. *Chemistry of Materials*, **2018**, 30, 74-78	9.6	119
304	Modulation of Charge Recombination in CsPbBr Perovskite Films with Electrochemical Bias. *Journal of the American Chemical Society*, **2018**, 140, 86-89	16.4	36
303	A Conversation with Emily Carter. *ACS Energy Letters*, **2018**, 3, 2470-2471	20.1	
302	Interfacial Charge Transfer between Excited CsPbBr Nanocrystals and TiO: Charge Injection versus Photodegradation. *Journal of Physical Chemistry Letters*, **2018**, 9, 5962-5969	6.4	34
301	Glutathione-capped gold nanoclusters: photoinduced energy transfer and singlet oxygen generation(^{S }). *Journal of Chemical Sciences*, **2018**, 130, 1	1.8	6
300	Indium-Rich AgInS2�ZnS Quantum Dots�Ag-/Zn-Dependent Photophysics and Photovoltaics. *Journal of Physical Chemistry C*, **2018**, 122, 14336-14344	3.8	40
299	A Scientific Journey �Autobiographical Notes of Prashant V. Kamat. *Journal of Physical Chemistry C*, **2018**, 122, 13207-13209	3.8	1
298	Publications of Prashant V. Kamat. *Journal of Physical Chemistry C*, **2018**, 122, 13214-13232	3.8	1
297	AgInS-ZnS Quantum Dots: Excited State Interactions with TiO and Photovoltaic Performance. *ACS Applied Materials & Interfaces*, **2017**, 9, 33379-33388	9.5	62
296	Why Surface Chemistry Matters for QD�QD Resonance Energy Transfer. *ACS Energy Letters*, **2017**, 2, 391-396	20.1	31

295	Lead-Free Perovskite Solar Cells. *ACS Energy Letters*, **2017**, 2, 904-905	20.1	121
294	Riding the New Wave of Perovskites. *ACS Energy Letters*, **2017**, 2, 922-923	20.1	13
293	Wavelength-Dependent Ultrafast Charge Carrier Separation in the WO3/BiVO4 Coupled System. *ACS Energy Letters*, **2017**, 2, 1362-1367	20.1	82
292	Semiconductor Nanostructures for Energy Conversion. *ACS Energy Letters*, **2017**, 2, 1128-1129	20.1	11
291	AuCsPbBr3 Hybrid Architecture: Anchoring Gold Nanoparticles on Cubic Perovskite Nanocrystals. *ACS Energy Letters*, **2017**, 2, 88-93	20.1	112
290	Oxidative remediation of 4-methylcyclohexanemethanol (MCHM) and propylene glycol phenyl ether (PPh). Evidence of contaminant repair reaction pathways. *Physical Chemistry Chemical Physics*, **2017**, 19, 13324-13332	3.6	1
289	Shift Happens. How Halide Ion Defects Influence Photoinduced Segregation in Mixed Halide Perovskites. *ACS Energy Letters*, **2017**, 2, 1507-1514	20.1	209
288	A Conversation with Akira Fujishima. *ACS Energy Letters*, **2017**, 2, 1586-1587	20.1	12
287	Semiconductor Surface Chemistry as Holy Grail in Photocatalysis and Photovoltaics. *Accounts of Chemical Research*, **2017**, 50, 527-531	24.3	80
286	CsPbBr3 Solar Cells: Controlled Film Growth through Layer-by-Layer Quantum Dot Deposition. *Chemistry of Materials*, **2017**, 29, 9767-9774	9.6	136
285	A Conversation with Henry Snaith. *ACS Energy Letters*, **2017**, 2, 2552-2554	20.1	1
284	Quantum Dot Light-Emitting Devices: Beyond Alignment of Energy Levels. *ACS Applied Materials & Interfaces*, **2017**, 9, 30741-30745	9.5	32
283	A Victim of Halide Ion Segregation. How Light Soaking Affects Solar Cell Performance of Mixed Halide Lead Perovskites. *ACS Energy Letters*, **2017**, 2, 1860-1861	20.1	112
282	Revival of Solar Paint Concept: Air-Processable Solar Paints for the Fabrication of Quantum Dot-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2017**, 121, 17658-17670	3.8	33
281	Rationalizing the light-induced phase separation of mixed halide organic-inorganic perovskites. *Nature Communications*, **2017**, 8, 200	17.4	264
280	A Conversation with Can Li. *ACS Energy Letters*, **2017**, 2, 2723-2724	20.1	
279	A Conversation with Al Bard. *ACS Energy Letters*, **2017**, 2, 1746-1748	20.1	1
278	A Conversation with Michael Grzel. *ACS Energy Letters*, **2017**, 2, 1674-1676	20.1	11

277	Direct Observation of Reversible Transformation of CHNHPbI and NHPbI Induced by Polar Gaseous Molecules. *Journal of Physical Chemistry Letters*, **2016**, 7, 5068-5073	6.4	47
276	Tracking Iodide and Bromide Ion Segregation in Mixed Halide Lead Perovskites during Photoirradiation. *ACS Energy Letters*, **2016**, 1, 290-296	20.1	251
275	Transformation of Sintered CsPbBr3 Nanocrystals to Cubic CsPbI3 and Gradient CsPbBrxI3-x through Halide Exchange. *Journal of the American Chemical Society*, **2016**, 138, 8603-11	16.4	269
274	Intriguing Optoelectronic Properties of Metal Halide Perovskites. *Chemical Reviews*, **2016**, 116, 12956-13008	60.1	987
273	Making and Breaking of Lead Halide Perovskites. *Accounts of Chemical Research*, **2016**, 49, 330-8	24.3	491
272	Evolution of Chemical Composition, Morphology, and Photovoltaic Efficiency of CH3NH3PbI3 Perovskite under Ambient Conditions. *Chemistry of Materials*, **2016**, 28, 303-311	9.6	152
271	Band Diagram and Effects of the KSCN Treatment in TiO2/Sb2S3/CuSCN ETA Cells. *Journal of Physical Chemistry C*, **2016**, 120, 31-41	3.8	29
270	Structural Phase- and Degradation-Dependent Thermal Conductivity of CH3NH3PbI3 Perovskite Thin Films. *Journal of Physical Chemistry C*, **2016**, 120, 6394-6401	3.8	47
269	How Lead Halide Complex Chemistry Dictates the Composition of Mixed Halide Perovskites. *Journal of Physical Chemistry Letters*, **2016**, 7, 1368-73	6.4	120
268	Modulation of Cu(2-x)S Nanocrystal Plasmon Resonance through Reversible Photoinduced Electron Transfer. *ACS Nano*, **2016**, 10, 2880-6	16.7	48
267	Spatially Non-uniform Trap State Densities in Solution-Processed Hybrid Perovskite Thin Films. *Journal of Physical Chemistry Letters*, **2016**, 7, 715-21	6.4	133
266	Two Distinct Transitions in Cu(x)InS2 Quantum Dots. Bandgap versus Sub-Bandgap Excitations in Copper-Deficient Structures. *Journal of Physical Chemistry Letters*, **2016**, 7, 1452-9	6.4	93
265	Origin of Dual Photoluminescence States in ZnS–CuInS2 Alloy Nanostructures. *Journal of Physical Chemistry C*, **2016**, 120, 10641-10646	3.8	28
264	Electrocatalytic Sensing with Reduced Graphene Oxide: Electron Shuttling between Redox Couples Anchored on a 2-D Surface. *ACS Sensors*, **2016**, 1, 1203-1207	9.2	15
263	Transformation of the excited state and photovoltaic efficiency of CH3NH3PbI3 perovskite upon controlled exposure to humidified air. *Journal of the American Chemical Society*, **2015**, 137, 1530-8	16.4	972
262	CdSe/CdS Nanorod Photocatalysts: Tuning the Interfacial Charge Transfer Process through Shell Length. *Chemistry of Materials*, **2015**, 27, 5064-5071	9.6	75
261	Evolution of Organic–Inorganic Lead Halide Perovskite from Solid-State Iodoplumbate Complexes. *Journal of Physical Chemistry C*, **2015**, 119, 17065-17073	3.8	66
260	Spatial and temporal imaging of long-range charge transport in perovskite thin films by ultrafast microscopy. *Nature Communications*, **2015**, 6, 7471	17.4	225

259	Multifaceted Excited State of CH3NH3PbI3. Charge Separation, Recombination, and Trapping. *Journal of Physical Chemistry Letters*, **2015**, 6, 2086-95	6.4	99
258	Best Practices in Perovskite Solar Cell Efficiency Measurements. Avoiding the Error of Making Bad Cells Look Good. *Journal of Physical Chemistry Letters*, **2015**, 6, 852-7	6.4	245
257	Synergistic Effects in the Coupling of Plasmon Resonance of Metal Nanoparticles with Excited Gold Clusters. *Journal of Physical Chemistry Letters*, **2015**, 6, 1870-5	6.4	31
256	Understanding the Implication of Carrier Diffusion Length in Photovoltaic Cells. *Journal of Physical Chemistry Letters*, **2015**, 6, 4090-2	6.4	69
255	Dynamics of Photogenerated Charge Carriers in WO3/BiVO4 Heterojunction Photoanodes. *Journal of Physical Chemistry C*, **2015**, 119, 20792-20800	3.8	174
254	Boosting the Photovoltage of Dye-Sensitized Solar Cells with Thiolated Gold Nanoclusters. *Journal of Physical Chemistry Letters*, **2015**, 6, 217-23	6.4	69
253	Dual nature of the excited state in organic□norganic lead halide perovskites. *Energy and Environmental Science*, **2015**, 8, 208-215	35.4	312
252	Surface Oxidation as a Cause of High Open-Circuit Voltage in CdSe ETA Solar Cells. *Advanced Materials Interfaces*, **2015**, 2, 1400346	4.6	8
251	All solution-processed lead halide perovskite-BiVO4 tandem assembly for photolytic solar fuels production. *Journal of the American Chemical Society*, **2015**, 137, 974-81	16.4	214
250	Predicting the Rate Constant of Electron Tunneling Reactions at the CdSe-TiO2 Interface. *Journal of Physical Chemistry B*, **2015**, 119, 7439-46	3.4	30
249	Recent advances in quantum dot surface chemistry. *ACS Applied Materials & Interfaces*, **2014**, 6, 3041-57	9.5	263
248	Quantum dot solar cells: hole transfer as a limiting factor in boosting the photoconversion efficiency. *Langmuir*, **2014**, 30, 5716-25	4	112
247	How Does a SILAR CdSe Film Grow? Tuning the Deposition Steps to Suppress Interfacial Charge Recombination in Solar Cells. *Journal of Physical Chemistry Letters*, **2014**, 5, 1575-82	6.4	67
246	An inorganic hole conductor for organo-lead halide perovskite solar cells. Improved hole conductivity with copper iodide. *Journal of the American Chemical Society*, **2014**, 136, 758-64	16.4	1048
245	Sequentially Layered CdSe/CdS Nanowire Architecture for Improved Nanowire Solar Cell Performance. *Journal of Physical Chemistry C*, **2014**, 118, 206-213	3.8	33
244	Size-Dependent Photovoltaic Performance of CuInS2 Quantum Dot-Sensitized Solar Cells. *Chemistry of Materials*, **2014**, 26, 7221-7228	9.6	193
243	CdSe-graphene oxide light-harvesting assembly: size-dependent electron transfer and light energy conversion aspects. *ChemPhysChem*, **2014**, 15, 2129-35	3.2	24
242	CdSeS Nanowires: Compositionally Controlled Band Gap and Exciton Dynamics. *Journal of Physical Chemistry Letters*, **2014**, 5, 1103-9	6.4	35

241	Carbon nanohoops: excited singlet and triplet behavior of [9]- and [12]-cycloparaphenylene. *Journal of Physical Chemistry A*, **2014**, 118, 1595-600	2.8	41
240	What's in a Name?. *Journal of Physical Chemistry Letters*, **2014**, 5, 2879	6.4	1
239	Size-dependent excited state behavior of glutathione-capped gold clusters and their light-harvesting capacity. *Journal of the American Chemical Society*, **2014**, 136, 11093-9	16.4	202
238	Band filling with free charge carriers in organometal halide perovskites. *Nature Photonics*, **2014**, 8, 737-743	33.9	772
237	Size-Dependent Energy Transfer Pathways in CdSe Quantum Dot�Squaraine Light-Harvesting Assemblies: F�ster versus Dexter. *Journal of Physical Chemistry C*, **2014**, 118, 18453-18461	3.8	52
236	Is Graphene a Stable Platform for Photocatalysis? Mineralization of Reduced Graphene Oxide With UV-Irradiated TiO2 Nanoparticles. *Chemistry of Materials*, **2014**, 26, 4662-4668	9.6	131
235	Rate limiting interfacial hole transfer in Sb2S3 solid-state solar cells. *Energy and Environmental Science*, **2014**, 7, 1148-1158	35.4	73
234	Glutathione-capped gold nanoclusters as photosensitizers. Visible light-induced hydrogen generation in neutral water. *Journal of the American Chemical Society*, **2014**, 136, 6075-82	16.4	218
233	Origin of Catalytic Effect in the Reduction of CO2 at Nanostructured TiO2 Films. *ACS Catalysis*, **2014** , 4, 3249-3254	13.1	98
232	Excited-State Behavior of Luminescent Glutathione-Protected Gold Clusters. *Journal of Physical Chemistry C*, **2014**, 118, 1370-1376	3.8	125
231	Charge Transfer Mediation Through CuxS. The Hole Story of CdSe in Polysulfide. *Journal of Physical Chemistry C*, **2014**, 118, 16463-16471	3.8	53
230	Graphical Excellence. *Journal of Physical Chemistry Letters*, **2014**, 5, 2118-20	6.4	10
229	Trap and transfer. two-step hole injection across the Sb2S3/CuSCN interface in solid-state solar cells. *ACS Nano*, **2013**, 7, 7967-74	16.7	112
228	Direct observation of spatially heterogeneous single-layer graphene oxide reduction kinetics. *Nano Letters*, **2013**, 13, 5777-84	11.5	37
227	Photoactive porous silicon nanopowder. *ACS Applied Materials & Interfaces*, **2013**, 5, 2943-51	9.5	23
226	Photoinduced electron charge and discharge of graphene�ZnO nanoparticle assembly. *Catalysis Today*, **2013**, 199, 36-41	5.3	38
225	Galvanic Exchange on Reduced Graphene Oxide: Designing a Multifunctional Two-Dimensional Catalyst Assembly. *Journal of Physical Chemistry C*, **2013**, 117, 571-577	3.8	30
224	Tandem-layered quantum dot solar cells: tuning the photovoltaic response with luminescent ternary cadmium chalcogenides. *Journal of the American Chemical Society*, **2013**, 135, 877-85	16.4	239

223	Graphitic design: prospects of graphene-based nanocomposites for solar energy conversion, storage, and sensing. *Accounts of Chemical Research*, **2013**, 46, 2235-43	24.3	248
222	CuInS2-Sensitized Quantum Dot Solar Cell. Electrophoretic Deposition, Excited-State Dynamics, and Photovoltaic Performance. *Journal of Physical Chemistry Letters*, **2013**, 4, 722-9	6.4	199
221	Quantum Dot Solar Cells. The Next Big Thing in Photovoltaics. *Journal of Physical Chemistry Letters*, **2013**, 4, 908-18	6.4	665
220	Reduced Graphene OxideSilver Nanoparticle Composite as an Active SERS Material. *Journal of Physical Chemistry C*, **2013**, 117, 4740-4747	3.8	109
219	CdSe nanowire solar cells using carbazole as a surface modifier. *Journal of Materials Chemistry A*, **2013**, 1, 5487	13	31
218	Making graphene holey. Gold-nanoparticle-mediated hydroxyl radical attack on reduced graphene oxide. *ACS Nano*, **2013**, 7, 5546-57	16.7	118
217	Metal-cluster-sensitized solar cells. A new class of thiolated gold sensitizers delivering efficiency greater than 2%. *Journal of the American Chemical Society*, **2013**, 135, 8822-5	16.4	267
216	Quantum Dot Surface Chemistry: Ligand Effects and Electron Transfer Reactions. *Journal of Physical Chemistry C*, **2013**, 117, 14418-14426	3.8	128
215	Nickel-Doped MnO2Nanowires Anchored onto Reduced Graphene Oxide for Rapid Cycling Cathode in Lithium Ion Batteries. *ECS Journal of Solid State Science and Technology*, **2013**, 2, M3178-M3181	2	9
214	Mn-doped quantum dot sensitized solar cells: a strategy to boost efficiency over 5%. *Journal of the American Chemical Society*, **2012**, 134, 2508-11	16.4	824
213	Dual-frequency ultrasound for designing two dimensional catalyst surface: Reduced graphene oxidePt composite. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 409, 81-87	5.1	28
212	Realizing Visible Photoactivity of Metal Nanoparticles: Excited-State Behavior and Electron-Transfer Properties of Silver (Ag8) Clusters. *Journal of Physical Chemistry Letters*, **2012**, 3, 2493-9	6.4	66
211	Synchronized energy and electron transfer processes in covalently linked CdSe-squaraine dye-TiO2 light harvesting assembly. *ACS Nano*, **2012**, 6, 5718-26	16.7	77
210	Origin of Reduced Graphene Oxide Enhancements in Electrochemical Energy Storage. *ACS Catalysis* , **2012**, 2, 807-816	13.1	47
209	Know thy nano neighbor. Plasmonic versus electron charging effects of metal nanoparticles in dye-sensitized solar cells. *ACS Nano*, **2012**, 6, 4418-27	16.7	334
208	Sun-believable solar paint. A transformative one-step approach for designing nanocrystalline solar cells. *ACS Nano*, **2012**, 6, 865-72	16.7	81
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