

# Prashant V Kamat

## List of Publications by Citations

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384  
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69,027  
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133  
h-index

259  
g-index

567  
ext. papers

73,237  
ext. citations

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L-index

#	Paper	IF	Citations
384	TiO <sub>2</sub> -graphene nanocomposites. UV-assisted photocatalytic reduction of graphene oxide. <i>ACS Nano</i> , <b>2008</b> , 2, 1487-91	16.7	2230
383	Quantum Dot Solar Cells. Semiconductor Nanocrystals as Light Harvesters. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18737-18753	3.8	2168
382	Meeting the Clean Energy Demand: Nanostructure Architectures for Solar Energy Conversion. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2834-2860	3.8	1928
381	Catalysis with TiO <sub>2</sub> /gold nanocomposites. Effect of metal particle size on the Fermi level equilibration. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4943-50	16.4	1762
380	Photophysical, Photochemical and Photocatalytic Aspects of Metal Nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 7729-7744	3.4	1715
379	Quantum dot solar cells. harvesting light energy with CdSe nanocrystals molecularly linked to mesoscopic TiO <sub>2</sub> films. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 2385-93	16.4	1621
378	Photochemistry on nonreactive and reactive (semiconductor) surfaces. <i>Chemical Reviews</i> , <b>1993</b> , 93, 267-300	16.4	1496
377	Quantum dot solar cells. Tuning photoresponse through size and shape control of CdSe-TiO <sub>2</sub> architecture. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4007-15	16.4	1463
376	An inorganic hole conductor for organo-lead halide perovskite solar cells. Improved hole conductivity with copper iodide. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 758-64	16.4	1048
375	Intriguing Optoelectronic Properties of Metal Halide Perovskites. <i>Chemical Reviews</i> , <b>2016</b> , 116, 12956-13008	16.4	987
374	Transformation of the excited state and photovoltaic efficiency of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite upon controlled exposure to humidified air. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 1530-8	16.4	972
373	Charge separation and catalytic activity of Ag@TiO <sub>2</sub> core-shell composite clusters under UV-irradiation. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 3928-34	16.4	968
372	Anchoring semiconductor and metal nanoparticles on a two-dimensional catalyst mat. Storing and shuttling electrons with reduced graphene oxide. <i>Nano Letters</i> , <b>2010</b> , 10, 577-83	11.5	937
371	Graphene-Based Nanoarchitectures. Anchoring Semiconductor and Metal Nanoparticles on a Two-Dimensional Carbon Support. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 520-527	6.4	895
370	Charge Transfer on the Nanoscale: Current Status. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 6668-6697	3.4	895
369	Electrocatalytically Active Graphene-Platinum Nanocomposites. Role of 2-D Carbon Support in PEM Fuel Cells. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 7990-7995	3.8	846
368	Mn-doped quantum dot sensitized solar cells: a strategy to boost efficiency over 5%. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2508-11	16.4	824

367	Semiconductor/Metal Composite Nanostructures. To What Extent Do Metal Nanoparticles Improve the Photocatalytic Activity of TiO <sub>2</sub> Films?. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 11439-11446	3.4	824
366	Decorating Graphene Sheets with Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 5263-5266	3.6	808
365	Band filling with free charge carriers in organometal halide perovskites. <i>Nature Photonics</i> , <b>2014</b> , 8, 737-743	4.9	772
364	Size-dependent electron injection from excited CdSe quantum dots into TiO <sub>2</sub> nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4136-7	16.4	767
363	Charge Distribution between UV-Irradiated TiO <sub>2</sub> and Gold Nanoparticles: Determination of Shift in the Fermi Level. <i>Nano Letters</i> , <b>2003</b> , 3, 353-358	11.5	733
362	Photosensitization of TiO <sub>2</sub> Nanostructures with CdS Quantum Dots: Particulate versus Tubular Support Architectures. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 805-811	15.6	729
361	Beyond photovoltaics: semiconductor nanoarchitectures for liquid-junction solar cells. <i>Chemical Reviews</i> , <b>2010</b> , 110, 6664-88	68.1	676
360	Quantum Dot Solar Cells. The Next Big Thing in Photovoltaics. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 908-18	6.4	665
359	Chromophore-functionalized gold nanoparticles. <i>Accounts of Chemical Research</i> , <b>2003</b> , 36, 888-98	24.3	608
358	What Factors Control the Size and Shape of Silver Nanoparticles in the Citrate Ion Reduction Method?. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 945-951	3.4	606
357	Single wall carbon nanotube scaffolds for photoelectrochemical solar cells. Capture and transport of photogenerated electrons. <i>Nano Letters</i> , <b>2007</b> , 7, 676-80	11.5	563
356	Graphene-Based Nanoassemblies for Energy Conversion. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 242-251	6.4	553
355	Picosecond Dynamics of Silver Nanoclusters. Photoejection of Electrons and Fragmentation. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 3123-3128	3.4	539
354	Photoinduced electron transfer from semiconductor quantum dots to metal oxide nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 29-34	11.5	537
353	Graphene-semiconductor nanocomposites: excited-state interactions between ZnO nanoparticles and graphene oxide. <i>Langmuir</i> , <b>2009</b> , 25, 13869-73	4	536
352	Quantum dot sensitized solar cells. A tale of two semiconductor nanocrystals: CdSe and CdTe. <i>ACS Nano</i> , <b>2009</b> , 3, 1467-76	16.7	507
351	Making and Breaking of Lead Halide Perovskites. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 330-8	24.3	491
350	Enhanced Rates of Photocatalytic Degradation of an Azo Dye Using SnO <sub>2</sub> /TiO <sub>2</sub> Coupled Semiconductor Thin Films. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 841-5	10.3	483

349	Environmental Photochemistry on Semiconductor Surfaces: Photosensitized Degradation of a Textile Azo Dye, Acid Orange 7, on TiO <sub>2</sub> Particles Using Visible Light. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 1660-1666	10.3	469
348	Green Emission to Probe Photoinduced Charging Events in ZnO/Au Nanoparticles. Charge Distribution and Fermi-Level Equilibration. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 7479-7485	3.4	440
347	Photovoltaic cells using composite nanoclusters of porphyrins and fullerenes with gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 1216-28	16.4	429
346	Electrochemically assisted photocatalysis: titania particulate film electrodes for photocatalytic degradation of 4-chlorophenol. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 9040-9044		423
345	CuS Reduced Graphene Oxide Composite for High-Efficiency Quantum Dot Solar Cells. Overcoming the Redox Limitations of S/S at the Counter Electrode. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 2453-2460	6.4	418
344	Semiconductor/Metal Nanocomposites. Photoinduced Fusion and Photocatalysis of Gold-Capped TiO <sub>2</sub> (TiO <sub>2</sub> /Gold) Nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 960-966	3.4	418
343	Manipulation of Charge Transfer Across Semiconductor Interface. A Criterion That Cannot Be Ignored in Photocatalyst Design. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 663-72	6.4	414
342	Boosting the efficiency of quantum dot sensitized solar cells through modulation of interfacial charge transfer. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1906-15	24.3	401
341	Improving the Photoelectrochemical Performance of Nanostructured TiO <sub>2</sub> Films by Adsorption of Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 10851-10857	3.4	399
340	Photophysical and photochemical aspects of coupled semiconductors: charge-transfer processes in colloidal cadmium sulfide-titania and cadmium sulfide-silver(I) iodide systems. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 6435-6440		395
339	Uniaxial Plasmon Coupling through Longitudinal Self-Assembly of Gold Nanorods. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 13066-13068	3.4	385
338	Tailored TiO <sub>2</sub> -SrTiO <sub>3</sub> heterostructure nanotube arrays for improved photoelectrochemical performance. <i>ACS Nano</i> , <b>2010</b> , 4, 387-95	16.7	371
337	Nanostructured Semiconductor Films for Photocatalysis. Photoelectrochemical Behavior of SnO <sub>2</sub> /TiO <sub>2</sub> Composite Systems and Its Role in Photocatalytic Degradation of a Textile Azo Dye. <i>Chemistry of Materials</i> , <b>1996</b> , 8, 2180-2187	9.6	352
336	To What Extent Do Graphene Scaffolds Improve the Photovoltaic and Photocatalytic Response of TiO <sub>2</sub> Nanostructured Films?. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 2222-2227	6.4	351
335	Electron storage in single wall carbon nanotubes. Fermi level equilibration in semiconductor-SWCNT suspensions. <i>ACS Nano</i> , <b>2007</b> , 1, 13-21	16.7	350
334	Know thy nano neighbor. Plasmonic versus electron charging effects of metal nanoparticles in dye-sensitized solar cells. <i>ACS Nano</i> , <b>2012</b> , 6, 4418-27	16.7	334
333	Controlling Dye (Merocyanine-540) Aggregation on Nanostructured TiO <sub>2</sub> Films. An Organized Assembly Approach for Enhancing the Efficiency of Photosensitization. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 4693-4700	3.4	324
332	Capture, store, and discharge. Shuttling photogenerated electrons across TiO <sub>2</sub> -silver interface. <i>ACS Nano</i> , <b>2011</b> , 5, 7369-76	16.7	314

331	Solar Cells by Design: Photoelectrochemistry of TiO <sub>2</sub> Nanorod Arrays Decorated with CdSe. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 1970-1976	15.6	313
330	Dual nature of the excited state in organic-inorganic lead halide perovskites. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 208-215	35.4	312
329	Light-Induced Anion Phase Segregation in Mixed Halide Perovskites. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 204-213	10.1	307
328	Influence of Metal/Metal Ion Concentration on the Photocatalytic Activity of TiO <sub>2</sub> -Au Composite Nanoparticles. <i>Langmuir</i> , <b>2003</b> , 19, 469-474	4	304
327	Carbon Nanostructures in Portable Fuel Cells: Single-Walled Carbon Nanotube Electrodes for Methanol Oxidation and Oxygen Reduction. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 19960-19966	3.4	302
326	Photoelectrochemical behavior of thin cadmium selenide and coupled titania/cadmium selenide semiconductor films. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 10769-10773		298
325	Fortification of CdSe quantum dots with graphene oxide. Excited state interactions and light energy conversion. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 7109-16	16.4	279
324	Transformation of Sintered CsPbBr <sub>3</sub> Nanocrystals to Cubic CsPbI <sub>3</sub> and Gradient CsPbBr <sub>1-x</sub> I <sub>3-x</sub> through Halide Exchange. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8603-11	16.4	269
323	Understanding the role of the sulfide redox couple (S <sup>2-</sup> /S(n) <sup>2-</sup> ) in quantum dot-sensitized solar cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 9607-15	16.4	269
322	Metal-cluster-sensitized solar cells. A new class of thiolated gold sensitizers delivering efficiency greater than 2%. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 8822-5	16.4	267
321	Charge-transfer processes in coupled semiconductor systems. Photochemistry and photoelectrochemistry of the colloidal cadmium sulfide-zinc oxide system. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 6834-6839		267
320	Rationalizing the light-induced phase separation of mixed halide organic-inorganic perovskites. <i>Nature Communications</i> , <b>2017</b> , 8, 200	17.4	264
319	Recent advances in quantum dot surface chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 3041-57	9.57	263
318	Photoinduced electron storage and surface plasmon modulation in Ag@TiO <sub>2</sub> clusters. <i>Langmuir</i> , <b>2004</b> , 20, 5645-7	4	259
317	Preparation and Photoelectrochemical Characterization of Thin SnO <sub>2</sub> Nanocrystalline Semiconductor Films and Their Sensitization with Bis(2,2'-bipyridine)(2,2'-bipyridine-4,4'-dicarboxylic acid)ruthenium(II) Complex. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 4133-4140		253
316	Tracking Iodide and Bromide Ion Segregation in Mixed Halide Lead Perovskites during Photoirradiation. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 290-296	20.1	251
315	Graphitic design: prospects of graphene-based nanocomposites for solar energy conversion, storage, and sensing. <i>Accounts of Chemical Research</i> , <b>2013</b> , 46, 2235-43	24.3	248
314	Capped Semiconductor Colloids. Synthesis and Photoelectrochemical Behavior of TiO <sub>2</sub> -Capped SnO <sub>2</sub> Nanocrystallites. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 9182-9188		248

313	Best Practices in Perovskite Solar Cell Efficiency Measurements. Avoiding the Error of Making Bad Cells Look Good. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 852-7	6.4	245
312	A Bense and Shoot Approach for Photocatalytic Degradation of Organic Contaminants in Water. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 788-794	3.4	240
311	Tandem-layered quantum dot solar cells: tuning the photovoltaic response with luminescent ternary cadmium chalcogenides. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 877-85	16.4	239
310	Boosting fuel cell performance with a semiconductor photocatalyst: TiO <sub>2</sub> /Pt-Ru hybrid catalyst for methanol oxidation. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 11851-7	3.4	238
309	Electrochemically Assisted Photocatalysis. 2. The Role of Oxygen and Reaction Intermediates in the Degradation of 4-Chlorophenol on Immobilized TiO <sub>2</sub> Particulate Films. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 6797-6803		238
308	Environmental Photochemistry on Semiconductor Surfaces. Visible Light Induced Degradation of a Textile Diazo Dye, Naphthol Blue Black, on TiO <sub>2</sub> Nanoparticles. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 8436-8442		235
307	Got TiO <sub>2</sub> nanotubes? Lithium ion intercalation can boost their photoelectrochemical performance. <i>ACS Nano</i> , <b>2009</b> , 3, 3437-46	16.7	230
306	Quantum dot solar cells. Electrophoretic deposition of CdSe-C60 composite films and capture of photogenerated electrons with nC60 cluster shell. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 8890-1	16.4	226
305	Spatial and temporal imaging of long-range charge transport in perovskite thin films by ultrafast microscopy. <i>Nature Communications</i> , <b>2015</b> , 6, 7471	17.4	225
304	Radiolytic and TiO <sub>2</sub> -Assisted Photocatalytic Degradation of 4-Chlorophenol. A Comparative Study. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 6343-6351		225
303	Interparticle electron transfer between size-quantized CdS and TiO <sub>2</sub> semiconductor nanoclusters. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 198-203	3.6	222
302	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , <b>2021</b> , 15, 10775-10981	16.7	222
301	Single-Walled Carbon Nanotube Scaffolds for Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 4776-4782	3.8	219
300	Photophysics and photochemistry of quantized zinc oxide colloids. <i>The Journal of Physical Chemistry</i> , <b>1992</b> , 96, 6829-6834		219
299	Glutathione-capped gold nanoclusters as photosensitizers. Visible light-induced hydrogen generation in neutral water. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 6075-82	16.4	218
298	Self-assembled linear bundles of single wall carbon nanotubes and their alignment and deposition as a film in a dc field. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10757-62	16.4	216
297	All solution-processed lead halide perovskite-BiVO <sub>4</sub> tandem assembly for photolytic solar fuels production. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 974-81	16.4	214
296	Shift Happens. How Halide Ion Defects Influence Photoinduced Segregation in Mixed Halide Perovskites. <i>ACS Energy Letters</i> , <b>2017</b> , 2, 1507-1514	20.1	209



295	Making Gold Nanoparticles Glow: Enhanced Emission from a Surface-Bound Fluoroprobe. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2655-2656	16.4	209
294	Tuning the emission of CdSe quantum dots by controlled trap enhancement. <i>Langmuir</i> , <b>2010</b> , 26, 11272-4	6	208
293	CdSe quantum dot sensitized solar cells. Shuttling electrons through stacked carbon nanocups. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11124-31	16.4	205
292	Photoinduced Charge Transfer between CdSe Quantum Dots and p-Phenylenediamine. <i>Journal of Physical Chemistry B</i> , <b>2003</b> , 107, 10088-10093	3.4	203
291	Size-dependent excited state behavior of glutathione-capped gold clusters and their light-harvesting capacity. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 11093-9	16.4	202
290	CuInS <sub>2</sub> -Sensitized Quantum Dot Solar Cell. Electrophoretic Deposition, Excited-State Dynamics, and Photovoltaic Performance. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 722-9	6.4	199
289	Size-Dependent Photovoltaic Performance of CuInS <sub>2</sub> Quantum Dot-Sensitized Solar Cells. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 7221-7228	9.6	193
288	Sonolytic Design of Graphene/Au Nanocomposites. Simultaneous and Sequential Reduction of Graphene Oxide and Au(III). <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 1987-1993	6.4	184
287	Visible Laser Induced Fusion and Fragmentation of Thionicotinamide-Capped Gold Nanoparticles. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 2589-2591	3.4	180
286	Dye Capped Semiconductor Nanoclusters. Role of Back Electron Transfer in the Photosensitization of SnO <sub>2</sub> Nanocrystallites with Cresyl Violet Aggregates. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 2583-2590	3.4	178
285	Reduced graphene oxide and porphyrin. An interactive affair in 2-D. <i>ACS Nano</i> , <b>2010</b> , 4, 6697-706	16.7	177
284	Photoinduced Charge Separation in a Fluorophore/Gold Nanoassembly. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 18-21	3.4	175
283	Dynamics of Photogenerated Charge Carriers in WO <sub>3</sub> /BiVO <sub>4</sub> Heterojunction Photoanodes. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 20792-20800	3.8	174
282	Rate Constants for Charge Injection from Excited Sensitizer into SnO <sub>2</sub> , ZnO, and TiO <sub>2</sub> Semiconductor Nanocrystallites. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 12902-12906		174
281	Organized assemblies of single wall carbon nanotubes and porphyrin for photochemical solar cells: charge injection from excited porphyrin into single-walled carbon nanotubes. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 25477-84	3.4	172
280	Interparticle Electron Transfer in Metal/Semiconductor Composites. Picosecond Dynamics of CdS-Capped Gold Nanoclusters. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 7675-7679	3.4	171
279	Photoinduced Charge Transfer between Carbon and Semiconductor Clusters. One-Electron Reduction of C <sub>60</sub> in Colloidal TiO <sub>2</sub> Semiconductor Suspensions. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 9137-9142		170
278	Photoelectrochemistry in particulate systems. 4. Photosensitization of a titanium dioxide semiconductor with a chlorophyll analog. <i>The Journal of Physical Chemistry</i> , <b>1986</b> , 90, 1389-1394		170

277	Enhancement of light-energy conversion efficiency by multi-porphyrin arrays of porphyrin-peptide oligomers with fullerene clusters. <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 19-23	3.4	168
276	Fullerene-Functionalized Gold Nanoparticles. A Self-Assembled Photoactive Antenna-Metal Nanocore Assembly. <i>Nano Letters</i> , <b>2002</b> , 2, 29-35	11.5	167
275	CdSe quantum dot-fullerene hybrid nanocomposite for solar energy conversion: electron transfer and photoelectrochemistry. <i>ACS Nano</i> , <b>2011</b> , 5, 9421-7	16.7	166
274	Tracking the Adsorption and Electron Injection Rates of CdSe Quantum Dots on TiO <sub>2</sub> : Linked versus Direct Attachment. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 13511-13519	3.8	159
273	Quaternary self-organization of porphyrin and fullerene units by clusterization with gold nanoparticles on SnO <sub>2</sub> electrodes for organic solar cells. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 14962-3	16.4	158
272	Highly dispersed Pt catalysts on single-walled carbon nanotubes and their role in methanol oxidation. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 16185-8	3.4	157
271	Photoelectrochemistry in particulate systems. 9. Photosensitized reduction in a colloidal titania system using anthracene-9-carboxylate as the sensitizer. <i>The Journal of Physical Chemistry</i> , <b>1989</b> , 93, 859-864		157
270	Photosensitization of Nanocrystalline Semiconductor Films. Modulation of Electron Transfer between Excited Ruthenium Complex and SnO <sub>2</sub> Nanocrystallites with an Externally Applied Bias. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 4900-4908		156
269	Surface Binding Properties of Tetraoctylammonium Bromide-Capped Gold Nanoparticles. <i>Langmuir</i> , <b>2002</b> , 18, 3722-3727	4	155
268	Evolution of Chemical Composition, Morphology, and Photovoltaic Efficiency of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite under Ambient Conditions. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 303-311	9.6	152
267	Organic solar cells. Supramolecular composites of porphyrins and fullerenes organized by polypeptide structures as light harvesters. <i>Journal of Materials Chemistry</i> , <b>2007</b> , 17, 4160		150
266	C <sub>60</sub> Cluster as an Electron Shuttle in a Ru(II)-Polypyridyl Sensitizer-Based Photochemical Solar Cell. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 5166-5170	3.4	148
265	Supramolecular Photovoltaic Cells Based on Composite Molecular Nanoclusters: Dendritic Porphyrin and C <sub>60</sub> , Porphyrin Dimer and C <sub>60</sub> , and Porphyrin-C <sub>60</sub> Dyad. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 12865-12872	3.4	148
264	Photocatalysis with CdSe nanoparticles in confined media: mapping charge transfer events in the subpicosecond to second timescales. <i>ACS Nano</i> , <b>2009</b> , 3, 682-90	16.7	147
263	Photoelectrochemistry of Composite Semiconductor Thin Films. Photosensitization of SnO <sub>2</sub> /CdS Coupled Nanocrystallites with a Ruthenium Polypyridyl Complex. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 7480-7487	3.4	146
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