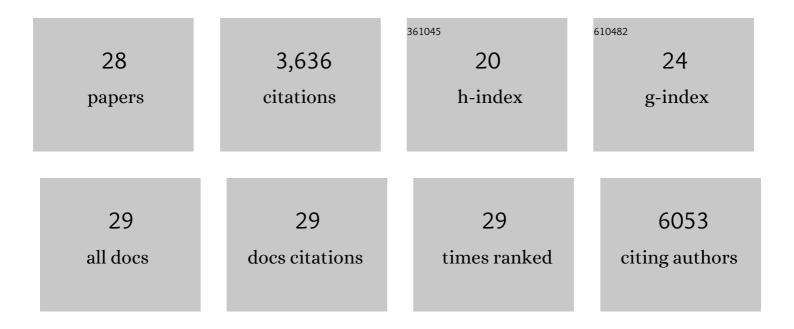
## Abraham Wolcott

List of Publications by Year in descending order

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ARRAHAM MOLCOTT

#	Article	IF	CITATIONS
1	Metastable Brominated Nanodiamond Surface Enables Room Temperature and Catalysis-Free Amine Chemistry. Journal of Physical Chemistry Letters, 2022, 13, 1147-1158.	2.1	3
2	Surface functionality and formation mechanisms of carbon and graphene quantum dots. Diamond and Related Materials, 2020, 110, 108101.	1.8	26
3	Ultrafast lattice dynamics in lead selenide quantum dot induced by laser excitation. Applied Physics Letters, 2016, 109, .	1.5	10
4	Modulation of nitrogen vacancy charge state and fluorescence in nanodiamonds using electrochemical potential. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 3938-3943.	3.3	77
5	Electrochemical potential control of charge state and fluorescence of nitrogen vacancy centers in nanodiamonds. , 2015, , .		1
6	Surface Structure of Aerobically Oxidized Diamond Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 26695-26702.	1.5	54
7	Time-resolved energy transfer from single chloride-terminated nanocrystals to graphene. Applied Physics Letters, 2014, 104, 171101.	1.5	23
8	Reactive ion etching: Optimized diamond membrane fabrication for transmission electron microscopy. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2013, 31, 06FF01.	0.6	14
9	Direct Mapping of Hot-Electron Relaxation and Multiplication Dynamics in PbSe Quantum Dots. Nano Letters, 2012, 12, 1588-1591.	4.5	41
10	Ligand-Mediated Modification of the Electronic Structure of CdSe Quantum Dots. Nano Letters, 2012, 12, 2763-2767.	4.5	33
11	Quasi-core-shell TiO2/WO3 and WO3/TiO2 nanorod arrays fabricated by glancing angle deposition for solar water splitting. Journal of Materials Chemistry, 2011, 21, 10792.	6.7	127
12	Anomalously Large Polarization Effect Responsible for Excitonic Red Shifts in PbSe Quantum Dot Solids. Journal of Physical Chemistry Letters, 2011, 2, 795-800.	2.1	72
13	CdSe Quantum Rod Formation Aided By In Situ TOPO Oxidation. Chemistry of Materials, 2010, 22, 2814-2821.	3.2	33
14	Distance-Dependent Fluorescence Quenching and Binding of CdSe Quantum Dots by Functionalized Nitroxide Radicals. Journal of Physical Chemistry C, 2010, 114, 7793-7805.	1.5	80
15	Photoelectrochemical Study of Nanostructured ZnO Thin Films for Hydrogen Generation from Water Splitting. Advanced Functional Materials, 2009, 19, 1849-1856.	7.8	436
16	Photoelectrochemical Water Splitting Using Dense and Aligned TiO <sub>2</sub> Nanorod Arrays. Small, 2009, 5, 104-111.	5.2	380
17	Scanning photoluminescent spectroscopy of bioconjugated quantum dots. Superlattices and Microstructures, 2009, 45, 240-248.	1.4	11
18	Determination of the Exciton Binding Energy in CdSe Quantum Dots. ACS Nano, 2009, 3, 325-330.	7.3	151

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#	Article	IF	CITATIONS
19	Nitrogen-Doped ZnO Nanowire Arrays for Photoelectrochemical Water Splitting. Nano Letters, 2009, 9, 2331-2336.	4.5	1,071
20	Nitrogen-Doped and CdSe Quantum-Dot-Sensitized Nanocrystalline TiO <sub>2</sub> Films for Solar Energy Conversion Applications. Journal of Physical Chemistry C, 2008, 112, 1282-1292.	1.5	192
21	Excitation-Wavelength Dependence of Fluorescence Intermittency in CdSe Nanorods. ACS Nano, 2008, 2, 2143-2153.	7.3	53
22	Biologically Engineered Quantum Dots for Biomedical Applications. Materials Research Society Symposia Proceedings, 2008, 1095, 80501.	0.1	0
23	Photoluminescence spectroscopy of bioconjugated CdSeâ^•ZnS quantum dots. Applied Physics Letters, 2007, 90, 263112.	1.5	47
24	Silica-Coated CdTe Quantum Dots Functionalized with Thiols for Bioconjugation to IgG Proteins. Journal of Physical Chemistry B, 2006, 110, 5779-5789.	1.2	258
25	Synthesis and Characterization of Ultrathin WO3Nanodisks Utilizing Long-Chain Poly(ethylene) Tj ETQq1 1 0.784	314 rgBT 1.2	/Qyerlock 10
26	The role of reductant oxidation state in the formation and function of gold nanoparticle aggregates for SERS applications. , 2004, 5513, 213.		3
27	Unique Gold Nanoparticle Aggregates as a Highly Active Surface-Enhanced Raman Scattering Substrate. Journal of Physical Chemistry B, 2004, 108, 19191-19197.	1.2	308
28	Multidimensional Nanostructures for Solar Water Splitting: Synthesis, Properties, and Applications. , 0, , 459-505.		0