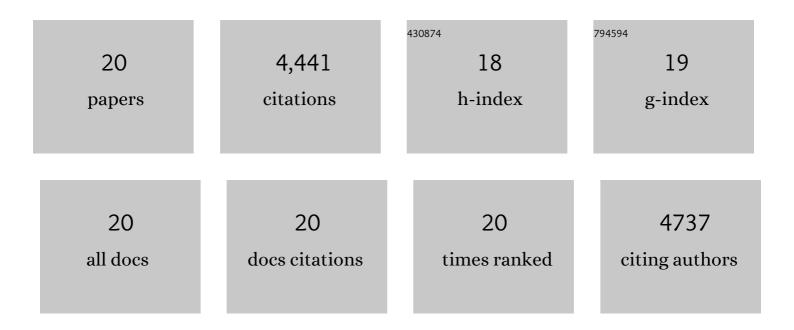
Mark T Winkler

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Atomic Layer Deposited Aluminum Oxide for Interface Passivation of Cu ₂ ZnSn(S,Se) ₄ Thinâ€Film Solar Cells. Advanced Energy Materials, 2016, 6, 1600198. | 19.5 | 75 |
| 2 | Picosecond carrier recombination dynamics in chalcogen-hyperdoped silicon. Applied Physics Letters, 2014, 105, . | 3.3 | 42 |
| 3 | Device Characteristics of CZTSSe Thinâ€Film Solar Cells with 12.6% Efficiency. Advanced Energy Materials, 2014, 4, 1301465. | 19.5 | 2,651 |
| 4 | Optical designs that improve the efficiency of Cu ₂ ZnSn(S,Se) ₄ solar cells. Energy and Environmental Science, 2014, 7, 1029-1036. | 30.8 | 200 |
| 5 | Room-temperature sub-band gap optoelectronic response of hyperdoped silicon. Nature Communications, 2014, 5, 3011. | 12.8 | 202 |
| 6 | Supersaturating silicon with transition metals by ion implantation and pulsed laser melting. Journal of Applied Physics, 2013, 114, . | 2.5 | 59 |
| 7 | Nitrogen-doped cuprous oxide as a p-type hole-transporting layer in thin-film solar cells. Journal of Materials Chemistry A, 2013, 1, 15416. | 10.3 | 108 |
| 8 | Mid-infrared absorptance of silicon hyperdoped with chalcogen via fs-laser irradiation. Journal of Applied Physics, 2013, 113, . | 2.5 | 37 |
| 9 | Selenium Segregation in Femtosecond-Laser Hyperdoped Silicon Revealed by Electron Tomography. Microscopy and Microanalysis, 2013, 19, 716-725. | 0.4 | 10 |
| 10 | Interfaces between water splitting catalysts and buried silicon junctions. Energy and Environmental Science, 2013, 6, 532-538. | 30.8 | 58 |
| 11 | Extended X-ray absorption fine structure spectroscopy of selenium-hyperdoped silicon. Journal of Applied Physics, 2013, 114, 133507. | 2.5 | 25 |
| 12 | Insulator-to-Metal Transition in Selenium-Hyperdoped Silicon: Observation and Origin. Physical Review Letters, 2012, 108, 026401. | 7.8 | 141 |
| 13 | Growth and p-type doping of cuprous oxide thin-films for photovoltaic applications. , 2012, , . | | 2 |
| 14 | Studying femtosecond-laser hyperdoping by controlling surface morphology. Journal of Applied Physics, 2012, 111, 093511. | 2.5 | 35 |
| 15 | Light-induced water oxidation at silicon electrodes functionalized with a cobalt oxygen-evolving catalyst. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10056-10061. | 7.1 | 195 |
| 16 | Pulsed-laser hyperdoping and surface texturing for photovoltaics. MRS Bulletin, 2011, 36, 439-445. | 3.5 | 150 |
| 17 | Pressure-induced phase transformations during femtosecond-laser doping of silicon. Journal of Applied Physics, 2011, 110, . | 2.5 | 79 |
| 18 | Insulator-to-Metal Transition in Sulfur-Doped Silicon. Physical Review Letters, 2011, 106, 178701. | 7.8 | 167 |

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Hall mobility of cuprous oxide thin films deposited by reactive direct-current magnetron sputtering. Applied Physics Letters, 2011, 98, . | 3.3 | 120 |
| 20 | The role of diffusion in broadband infrared absorption inÂchalcogen-doped silicon. Applied Physics A: Materials Science and Processing, 2009, 96, 327-334. | 2.3 | 85 |