

# Behrad Radfar

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Graphene synthesis, characterization and its applications in nanophotonics, nanoelectronics, and nanosensing. Journal of Materials Science: Materials in Electronics, 2015, 26, 4347-4379.	2.2	135
2	Perspectives on Black Silicon in Semiconductor Manufacturing: Experimental Comparison of Plasma Etching, MACE, and Fs-Laser Etching. IEEE Transactions on Semiconductor Manufacturing, 2022, 35, 504-510.	1.7	17
3	Effects of different laser modified surface morphologies and post-texturing cleanings on c-Si solar cell performance. Renewable Energy, 2020, 145, 2707-2714.	8.9	13
4	Millisecond-Level Minority Carrier Lifetime in Femtosecond Laser-Textured Black Silicon. IEEE Photonics Technology Letters, 2022, 34, 870-873.	2.5	8
5	Harnessing Carrier Multiplication in Silicon Solar Cells Using UV Photons. IEEE Photonics Technology Letters, 2021, 33, 1415-1418.	2.5	7
6	Tailoring Femtosecond-Laser Processed Black Silicon for Reduced Carrier Recombination Combined with >95% Above-Bandgap Absorption. Advanced Photonics Research, 2022, 3, .	3.6	7
7	Effect of laser parameters and post-texturing treatments on the optical and electrical properties of laser textured c-Si wafers. AIP Conference Proceedings, 2018, , .	0.4	6