

# Waseem Raja

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3890309/publications.pdf>

Version: 2024-02-01

23  
papers

401  
citations

840776

11  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-bridged charge extraction and enhanced quantum efficiency enable efficient n-i-p perovskite/silicon tandem solar cells. <i>Energy and Environmental Science</i> , 2021, 14, 4377-4390.	30.8	79
2	Dynamics of Strong Coupling between Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. <i>Advanced Functional Materials</i> , 2016, 26, 6198-6205.	14.9	40
3	Broadband absorption enhancement in plasmonic nanoshells-based ultrathin microcrystalline-Si solar cells. <i>Scientific Reports</i> , 2016, 6, 24539.	3.3	38
4	Disentangling the Role of Shape, Ligands, and Dielectric Constants in the Absorption Properties of Colloidal CdSe/CdS Nanocrystals. <i>ACS Photonics</i> , 2016, 3, 58-67.	6.6	34
5	Effect of Ag doping on opto-electrical properties of CdS thin films for solar cell applications. <i>Journal of Alloys and Compounds</i> , 2014, 609, 40-45.	5.5	32
6	Photon recycling in perovskite solar cells and its impact on device design. <i>Nanophotonics</i> , 2021, 10, 2023-2042.	6.0	29
7	Hybrid State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. <i>Laser and Photonics Reviews</i> , 2018, 12, 1700176.	8.7	25
8	Perovskite Nanopillar Array Based Tandem Solar Cell. <i>ACS Photonics</i> , 2017, 4, 2025-2035.	6.6	24
9	Charge Carrier Recombination at Perovskite/Hole Transport Layer Interfaces Monitored by Time-Resolved Spectroscopy. <i>ACS Energy Letters</i> , 2021, 6, 4155-4164.	17.4	20
10	Electrode metallization for scaled perovskite/silicon tandem solar cells: Challenges and opportunities. <i>Progress in Photovoltaics: Research and Applications</i> , 2023, 31, 429-442.	8.1	18
11	Light-trapping in photon enhanced thermionic emitters. <i>Optics Express</i> , 2015, 23, A1220.	3.4	14
12	Stacked optical antennas for plasmon propagation in a 5 nm-confined cavity. <i>Scientific Reports</i> , 2015, 5, 11237.	3.3	9
13	Band-edge oscillator strength of colloidal CdSe/CdS dot-in-rods: comparison of absorption and time-resolved fluorescence spectroscopy. <i>Nanoscale</i> , 2017, 9, 4730-4738.	5.6	9
14	Performance analysis of circularly photonic crystal fiber for orbital angular momentum mode generation. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	8
15	The blue light indicator in rubidium 5S-5P-5D cascade excitation. <i>Applied Physics B: Lasers and Optics</i> , 2017, 123, 1.	2.2	7
16	Non-contact control of two-photon absorption. <i>Applied Optics</i> , 2017, 56, 8340.	1.8	4
17	3D Modeling of Ultrathin Solar Cells with Nanostructured Dielectric Passivation: Case Study of Chalcogenide Solar Cells. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100191.	2.8	4
18	The blue light in a ladder system: from double resonance optical pumping to Autler-Townes splitting. <i>European Physical Journal D</i> , 2018, 72, 1.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Perovskite nanowire based multijunction solar cell. , 2015, , .		2
20	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). Advanced Functional Materials, 2016, 26, 6197-6197.	14.9	1
21	Experimental identification of unique angular dependent scattering behavior of nanoparticles. Journal of the European Optical Society-Rapid Publications, 2017, 13, .	1.9	1
22	Modelling of photorefractive crystal grating mirrors. , 2013, , .		0
23	Development of a collinear laser spectrometer facility at VECC: First test result. Pramana - Journal of Physics, 2018, 90, 1.	1.8	0