

# Rashid Zia

## List of Publications by Year in descending order

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44  
papers

4,162  
citations

201674

27  
h-index

330143

37  
g-index

44  
all docs

44  
docs citations

44  
times ranked

5687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonics: the next chip-scale technology. <i>Materials Today</i> , 2006, 9, 20-27.	14.2	733
2	Geometries and materials for subwavelength surface plasmon modes. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2004, 21, 2442.	1.5	559
3	Dielectric Metamaterials Based on Electric and Magnetic Resonances of Silicon Carbide Particles. <i>Physical Review Letters</i> , 2007, 99, 107401.	7.8	298
4	Orientation of luminescent excitons in layered nanomaterials. <i>Nature Nanotechnology</i> , 2013, 8, 271-276.	31.5	250
5	Leaky and bound modes of surface plasmon waveguides. <i>Physical Review B</i> , 2005, 71, .	3.2	200
6	Magnetic dipole and electric quadrupole transitions in the trivalent lanthanide series: Calculated emission rates and oscillator strengths. <i>Physical Review B</i> , 2012, 86, .	3.2	191
7	Yb- and Mn-Doped Lead-Free Double Perovskite Cs <sub>2</sub> AgBiX <sub>6</sub> (X = Cl <sup>−</sup> ,) $T_j E_{TQ} q_1 1 0.784314$ $8.0$ $190$	8.0	190
8	Quantifying the magnetic nature of light emission. <i>Nature Communications</i> , 2012, 3, 979.	12.8	187
9	Surface plasmon polariton analogue to Young's double-slit experiment. <i>Nature Nanotechnology</i> , 2007, 2, 426-429.	31.5	145
10	Spectral Tuning by Selective Enhancement of Electric and Magnetic Dipole Emission. <i>Physical Review Letters</i> , 2011, 106, 193004.	7.8	141
11	Omnidirectional resonance in a metalâ€“dielectricâ€“metal geometry. <i>Applied Physics Letters</i> , 2004, 84, 4421-4423.	3.3	117
12	Near-field characterization of guided polariton propagation and cutoff in surface plasmon waveguides. <i>Physical Review B</i> , 2006, 74, .	3.2	109
13	Mn <sup>2+</sup> /Yb <sup>3+</sup> Codoped CsPbCl <sub>3</sub> Perovskite Nanocrystals with Tripleâ€“Wavelength Emission for Luminescent Solar Concentrators. <i>Advanced Science</i> , 2020, 7, 2001317.	11.2	105
14	Dynamic control of light emission faster than the lifetime limit using VO <sub>2</sub> phase-change. <i>Nature Communications</i> , 2015, 6, 8636.	12.8	101
15	Comparative analysis of imaging configurations and objectives for Fourier microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2015, 32, 2082.	1.5	95
16	Dielectric waveguide model for guided surface polaritons. <i>Optics Letters</i> , 2005, 30, 1473.	3.3	90
17	Bright White Scattering from Protein Spheres in Color Changing, Flexible Cuttlefish Skin. <i>Advanced Functional Materials</i> , 2013, 23, 3980-3989.	14.9	86
18	Subgrain Special Boundaries in Halide Perovskite Thin Films Restrict Carrier Diffusion. <i>ACS Energy Letters</i> , 2018, 3, 2669-2670.	17.4	68

#	ARTICLE	IF	CITATIONS
19	Strong enhancement of magnetic dipole emission in a multilevel electronic system. <i>Optics Letters</i> , 2010, 35, 3318.	3.3	56
20	Benign ferroelastic twin boundaries in halide perovskites for charge carrier transport and recombination. <i>Nature Communications</i> , 2020, 11, 2215.	12.8	47
21	Time-Resolved Energy-Momentum Spectroscopy of Electric and Magnetic Dipole Transitions in Cr <sup>3+</sup> :MgO. <i>ACS Nano</i> , 2013, 7, 7165-7172.	14.6	37
22	Subwavelength silicon microcavities. <i>Optics Express</i> , 2009, 17, 23323.	3.4	35
23	Direct Modulation of Lanthanide Emission at Sub-Lifetime Scales. <i>Nano Letters</i> , 2013, 13, 2264-2269.	9.1	34
24	Quantifying and controlling the magnetic dipole contribution to light emission in erbium-doped yttrium oxide. <i>Physical Review B</i> , 2014, 89, .	3.2	34
25	Electroluminescence efficiencies of erbium in silicon-based hosts. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	33
26	The Synergism of DMSO and Diethyl Ether for Highly Reproducible and Efficient MA <sub>0.5</sub> FA <sub>0.5</sub> PbI <sub>3</sub> Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2020, 10, 2001300.	19.5	33
27	Reusable Inorganic Templates for Electrostatic Self-Assembly of Individual Quantum Dots, Nanodiamonds, and Lanthanide-Doped Nanoparticles. <i>Nano Letters</i> , 2015, 15, 5010-5016.	9.1	31
28	Mechanisms of exceptional grain growth and stability in formamidinium lead triiodide thin films for perovskite solar cells. <i>Acta Materialia</i> , 2020, 193, 10-18.	7.9	27
29	Bright magnetic dipole radiation from two-dimensional lead-halide perovskites. <i>Science Advances</i> , 2020, 6, eaay4900.	10.3	24
30	Magnetic dipole emission of Dy <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> and Tm <sup>3+</sup> :Y <sub>2</sub> O <sub>3</sub> at near-infrared wavelengths. <i>Optical Materials Express</i> , 2014, 4, 2441.	3.0	19
31	Direct Characterization of Carrier Diffusion in Halide-Perovskite Thin Films Using Transient Photoluminescence Imaging. <i>ACS Photonics</i> , 2019, 6, 2375-2380.	6.6	19
32	Surface phonon-polariton enhanced optical forces in silicon carbide nanostructures. <i>Optics Express</i> , 2013, 21, 20900.	3.4	17
33	Probing the Combined Electromagnetic Local Density of Optical States with Quantum Emitters Supporting Strong Electric and Magnetic Transitions. <i>Physical Review Letters</i> , 2018, 121, 227403.	7.8	17
34	Wide-angle energy-momentum spectroscopy. <i>Optics Letters</i> , 2014, 39, 3927.	3.3	15
35	Tailoring the Local Density of Optical States and Directionality of Light Emission by Symmetry Breaking. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-7.	2.9	12
36	Redirecting single molecules. <i>Nature Photonics</i> , 2008, 2, 213-214.	31.4	3

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37	Transparent design. Nature Nanotechnology, 2015, 10, 913-914.	31.5	3
38	Plasmonics – The New Wave of Chipscale Technologies!?, 2006, , .		1
39	Metal stripe surface plasmon waveguides. , 2007, , 191-218.		0
40	DEVELOPMENT AND NEAR-FIELD CHARACTERIZATION OF SURFACE PLASMON WAVEGUIDES. Springer Series in Optical Sciences, 2007, , 39-54.	0.7	0
41	Accessing forbidden transitions: Magnetic dipoles and electric quadrupoles for nano-optics. , 2013, , .		0
42	Chapter 7 Metal stripe surface plasmon waveguides. Advances in Nano-optics and Nano-photonics, 2006, , 191-218.	0.0	0
43	Optical Frequency Magnetic Dipole Transitions. , 2016, , 3017-3026.		0
44	Probing Electro-Magnetic Local Density of Optical States with Mixed ED-MD Emitters. , 2019, , .		0