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	Mn²⁺/Yb³⁺ Codoped CsPbCl₃ Perovskite Nanocrystals with Tripleâ€Wavelength Emission for Luminescent Solar Concentrators. Advanced Science, 2020, 7, 2001317.	11.2	105
2	Benign ferroelastic twin boundaries in halide perovskites for charge carrier transport and recombination. Nature Communications, 2020, 11, 2215.	12.8	47
3	Mechanisms of exceptional grain growth and stability in formamidinium lead triiodide thin films for perovskite solar cells. Acta Materialia, 2020, 193, 10-18.	7.9	27
4	The Synergism of DMSO and Diethyl Ether for Highly Reproducible and Efficient MA_{0.5}FA_{0.5}PbI₃ Perovskite Solar Cells. Advanced Energy Materials, 2020, 10, 2001300.	19.5	33
5	Bright magnetic dipole radiation from two-dimensional lead-halide perovskites. Science Advances, 2020, 6, eaay4900.	10.3	24
6	Direct Characterization of Carrier Diffusion in Halide-Perovskite Thin Films Using Transient Photoluminescence Imaging. ACS Photonics, 2019, 6, 2375-2380.	6.6	19
7	Tailoring the Local Density of Optical States and Directionality of Light Emission by Symmetry Breaking. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	2.9	12
8	Yb- and Mn-Doped Lead-Free Double Perovskite Cs₂AgBiX₆ (X = Cl^{â€“},) Tj ETQq0 0 0 rgBT /Overl	8.6	190
9	Probing Electro-Magnetic Local Density of Optical States with Mixed ED-MD Emitters. , 2019, , .		0
10	Probing the Combined Electromagnetic Local Density of Optical States with Quantum Emitters Supporting Strong Electric and Magnetic Transitions. Physical Review Letters, 2018, 121, 227403.	7.8	17
11	Subgrain Special Boundaries in Halide Perovskite Thin Films Restrict Carrier Diffusion. ACS Energy Letters, 2018, 3, 2669-2670.	17.4	68
12	Optical Frequency Magnetic Dipole Transitions. , 2016, , 3017-3026.		0
13	Comparative analysis of imaging configurations and objectives for Fourier microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2015, 32, 2082.	1.5	95
14	Reusable Inorganic Templates for Electrostatic Self-Assembly of Individual Quantum Dots, Nanodiamonds, and Lanthanide-Doped Nanoparticles. Nano Letters, 2015, 15, 5010-5016.	9.1	31
15	Dynamic control of light emission faster than the lifetime limit using VO2 phase-change. Nature Communications, 2015, 6, 8636.	12.8	101
16	Transparent design. Nature Nanotechnology, 2015, 10, 913-914.	31.5	3
17	Wide-angle energy-momentum spectroscopy. Optics Letters, 2014, 39, 3927.	3.3	15
18	Magnetic dipole emission of Dy^3+:Y_2O_3 and Tm^3+:Y_2O_3 at near-infrared wavelengths. Optical Materials Express, 2014, 4, 2441.	3.0	19

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19	Quantifying and controlling the magnetic dipole contribution to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>1.5</mml:mn><mml:mo>â^'</mml:mo><mml:mi>Î¼</mml:mi><mml:mi mathvariant="normal">m</mml:mi></mml:math>light emission in erbium-doped yttrium oxide. Physical Review B, 2014, 89, .	3.2	34
20	Time-Resolved Energy-Momentum Spectroscopy of Electric and Magnetic Dipole Transitions in Cr³⁺:MgO. ACS Nano, 2013, 7, 7165-7172.	14.6	37
21	Orientation of luminescent excitons in layered nanomaterials. Nature Nanotechnology, 2013, 8, 271-276.	31.5	250
22	Direct Modulation of Lanthanide Emission at Sub-Lifetime Scales. Nano Letters, 2013, 13, 2264-2269.	9.1	34
23	Surface phonon-polariton enhanced optical forces in silicon carbide nanostructures. Optics Express, 2013, 21, 20900.	3.4	17
24	Electroluminescence efficiencies of erbium in silicon-based hosts. Applied Physics Letters, 2013, 103, .	3.3	33
25	Accessing forbidden transitions: Magnetic dipoles and electric quadrupoles for nano-optics. , 2013, , .		0
26	Bright White Scattering from Protein Spheres in Color Changing, Flexible Cuttlefish Skin. Advanced Functional Materials, 2013, 23, 3980-3989.	14.9	86
27	Magnetic dipole and electric quadrupole transitions in the trivalent lanthanide series: Calculated emission rates and oscillator strengths. Physical Review B, 2012, 86, .	3.2	191
28	Quantifying the magnetic nature of light emission. Nature Communications, 2012, 3, 979.	12.8	187
29	Spectral Tuning by Selective Enhancement of Electric and Magnetic Dipole Emission. Physical Review Letters, 2011, 106, 193004.	7.8	141
30	Strong enhancement of magnetic dipole emission in a multilevel electronic system. Optics Letters, 2010, 35, 3318.	3.3	56
31	Subwavelength silicon microcavities. Optics Express, 2009, 17, 23323.	3.4	35
32	Redirecting single molecules. Nature Photonics, 2008, 2, 213-214.	31.4	3
33	Metal stripe surface plasmon waveguides. , 2007, , 191-218.		0
34	Surface plasmon polariton analogue to Young's double-slit experiment. Nature Nanotechnology, 2007, 2, 426-429.	31.5	145
35	DEVELOPMENT AND NEAR-FIELD CHARACTERIZATION OF SURFACE PLASMON WAVEGUIDES. Springer Series in Optical Sciences, 2007, , 39-54.	0.7	0
36	Dielectric Metamaterials Based on Electric and Magnetic Resonances of Silicon Carbide Particles. Physical Review Letters, 2007, 99, 107401.	7.8	298

#	Article	IF	Citations
37	Near-field characterization of guided polariton propagation and cutoff in surface plasmon waveguides. Physical Review B, 2006, 74, .	3.2	109
38	Plasmonics: the next chip-scale technology. Materials Today, 2006, 9, 20-27.	14.2	733
39	Plasmonics â€“ The New Wave of Chipscale Technologies!?. , 2006, , .		1
40	Chapter 7 Metal stripe surface plasmon waveguides. Advances in Nano-optics and Nano-photonics, 2006, , 191-218.	0.0	0
41	Leaky and bound modes of surface plasmon waveguides. Physical Review B, 2005, 71, .	3.2	200
42	Dielectric waveguide model for guided surface polaritons. Optics Letters, 2005, 30, 1473.	3.3	90
43	Omnidirectional resonance in a metalâ€“dielectricâ€“metal geometry. Applied Physics Letters, 2004, 84, 4421-4423.	3.3	117
44	Geometries and materials for subwavelength surface plasmon modes. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2004, 21, 2442.	1.5	559