A Louise Bradley

List of Publications by Year
in descending order

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99 papers	1,916 citations	331259 21 h-index	276539 41 g-index
99 all docs	99 docs citations	99 times ranked	2394 citing authors

#	Article	IF	Citations
1	Surface Plasmon Enhanced Energy Transfer between Donor and Acceptor CdTe Nanocrystal Quantum Dot Monolayers. Nano Letters, 2011, 11, 3341-3345.	4.5	159
2	Wavelength, Concentration, and Distance Dependence of Nonradiative Energy Transfer to a Plane of Gold Nanoparticles. ACS Nano, 2012, 6, 9283-9290.	7.3	131
3	Experimental and Theoretical Investigation of the Distance Dependence of Localized Surface Plasmon Coupled FÃ¶rster Resonance Energy Transfer. ACS Nano, 2014, 8, 1273-1283.	7.3	130
4	Concentration dependence of FÃ¶rster resonant energy transfer between donor and acceptor nanocrystal quantum dot layers: Effect of donor-donor interactions. Physical Review B, 2011, 83, .	1.1	111
5	Off-resonance surface plasmon enhanced spontaneous emission from CdTe quantum dots. Applied Physics Letters, 2006, 89, 253118.	1.5	109
6	Surface plasmon enhanced FÃ¶rster resonance energy transfer between the CdTe quantum dots. Applied Physics Letters, 2008, 93, .	1.5	90
7	Influence of quantum dot concentration on FÃ¶rster resonant energy transfer in monodispersed nanocrystal quantum dot monolayers. Physical Review B, 2010, 81, .	1.1	85
8	Oxide-mediated recovery of field-effect mobility in plasma-treated MoS ₂. Science Advances, 2018, 4, eaao5031.	4.7	82
9	Two-Dimensional FÃ¶rster Resonant Energy Transfer in a Mixed Quantum Dot Monolayer: Experiment and Theory. Journal of Physical Chemistry C, 2009, 113, 3084-3088.	1.5	51
10	Highly efficient FÃ¶rster resonance energy transfer between CdTe nanocrystals and Rhodamine B in mixed solid films. Chemical Physics Letters, 2004, 388, 100-104.	1.2	40
11	Effect of Metal Nanoparticle Concentration on Localized Surface Plasmon Mediated FÃ¶rster Resonant Energy Transfer. Journal of Physical Chemistry C, 2012, 116, 26529-26534.	1.5	39
12	Emission properties of colloidal quantum dots on polyelectrolyte multilayers. Nanotechnology, 2006, 17, 4117-4122.	1.3	38
13	Two-photon absorption photocurrent enhancement in bulk AlGaAs semiconductor microcavities. Applied Physics Letters, 2002, 80, 1328-1330.	1.5	37
14	In-band OSNR monitoring using a pair of Michelson fiber interferometers. Optics Express, 2010, 18, 3618.	1.7	33
15	Room-temperature ultraviolet luminescence from Î³-CuCl grown on near lattice-matched silicon. Journal of Applied Physics, 2005, 98, 113512.	1.1	31
16	Tunable and long-range energy transfer efficiency through a graphene nanodisk. Physical Review B, 2016, 93, .	1.1	28
17	Energy transfer in colloidal CdTe quantum dot nanoclusters. Optics Express, 2010, 18, 24486.	1.7	27
18	Near-field relaxation of a quantum emitter to two-dimensional semiconductors: Surface dissipation and exciton polaritons. Physical Review B, 2016, 94, .	1.1	27

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19	GaN Resonant Cavity Light-Emitting Diodes for Plastic Optical Fiber Applications. IEEE Photonics Technology Letters, 2004, 16, 2006-2008.	1.3	26
20	FÃ¶rster resonant energy transfer in quantum dot layers. Superlattices and Microstructures, 2010, 47, 98-102.	1.4	26
21	Spontaneous emission and energy transfer rates near a coated metallic cylinder. Physical Review A, 2014, 89, .	1.0	24
22	Confined optical modes in small photonic molecules with semiconductor nanocrystals. Journal of Applied Physics, 2004, 96, 6761-6765.	1.1	22
23	High-Sensitivity Two-Photon Absorption Microcavity Autocorrelator. IEEE Photonics Technology Letters, 2004, 16, 1543-1545.	1.3	21
24	Hybrid organicâ€“inorganic spin-on-glass CuCl films for optoelectronic applications. Journal Physics D: Applied Physics, 2009, 42, 225307.	1.3	21
25	Dynamical tuning of energy transfer efficiency on a graphene monolayer. Physical Review B, 2015, 91, .	1.1	21
26	A theoretical investigation of the influence of gold nanosphere size on the decay and energy transfer rates and efficiencies of quantum emitters. Journal of Chemical Physics, 2016, 144, 024108.	1.2	20
27	Dependence of Photocurrent Enhancements in Quantum Dot (QD)â€Sensitized MoS₂ Devices on MoS₂ Film Properties. Advanced Functional Materials, 2018, 28, 1706149.	7.8	20
28	Wide-angle invisible dielectric metasurface driven by transverse Kerker scattering. Physical Review B, 2021, 103, .	1.1	20
29	Impact on structural, optical and electrical properties of CuCl by incorporation of Zn for n-type doping. Journal of Crystal Growth, 2006, 287, 139-144.	0.7	19
30	Direct laser writing of vapour-responsive photonic arrays. Journal of Materials Chemistry C, 2021, 9, 11674-11678.	2.7	19
31	Encapsulation of the heteroepitaxial growth of wide band gap Î³-CuCl on silicon substrates. Journal of Crystal Growth, 2006, 287, 112-117.	0.7	18
32	Chromatic Dispersion Monitoring of 80-Gb/s OTDM Data Signal via Two-Photon Absorption in a Semiconductor Microcavity. IEEE Photonics Technology Letters, 2007, 19, 21-23.	1.3	17
33	Constructive and destructive interference of Kerker-type scattering in an ultrathin silicon Huygens metasurface. Physical Review Materials, 2020, 4, .	0.9	17
34	Dynamic structural colour using vanadium dioxide thin films. Journal Physics D: Applied Physics, 2018, 51, 255101.	1.3	16
35	Influence of Gold Nano-Bipyramid Dimensions on Strong Coupling with Excitons of Monolayer MoS₂. ACS Applied Materials & Interfaces, 2020, 12, 46406-46415.	4.0	16
36	Optical signal processing via two-photon absorption in a semiconductor microcavity for the next generation of high-speed optical communications network. Journal of Lightwave Technology, 2006, 24, 2683-2692.	2.7	15

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37	Ag colloids and arrays for plasmonic non-radiative energy transfer from quantum dots to a quantum well. Nanotechnology, 2017, 28, 115401.	1.3	14
38	Nanoplasmonic Sensing at the Carbon-Bio Interface: Study of Protein Adsorption at Graphitic and Hydrogenated Carbon Surfaces. Langmuir, 2017, 33, 4198-4206.	1.6	14
39	All-optical sampling utilising two-photon absorption in semiconductor microcavity. Electronics Letters, 2005, 41, 489.	0.5	13
40	Evaluation of the chemical, electronic and optoelectronic properties of Î³-CuCl thin films and their fabrication on Si substrates. Journal Physics D: Applied Physics, 2007, 40, 3461-3467.	1.3	13
41	Influence of plasmonic array geometry on energy transfer from a quantum well to a quantum dot layer. Nanoscale, 2016, 8, 18170-18179.	2.8	13
42	Carrier density dependence of plasmon-enhanced nonradiative energy transfer in a hybrid quantum well-quantum dot structure. Optics Express, 2015, 23, 1377.	1.7	12
43	Temperature-Dependent Luminescent Decay Properties of CdTe Quantum Dot Monolayers: Impact of Concentration on Carrier Trapping. Journal of Physical Chemistry C, 2016, 120, 26490-26497.	1.5	12
44	Light-harvesting, 3rd generation Ru^{II}/Co^{II} MOF with a large, tubular channel aperture. Chemical Communications, 2019, 55, 5013-5016.	2.2	11
45	Resonance tuning of two-photon absorption microcavities for wavelength-selective pulse monitoring. IEEE Photonics Technology Letters, 2006, 18, 433-435.	1.3	10
46	Impact of bias current distribution on the noise figure and power saturation of a multicontact semiconductor optical amplifier. Optics Letters, 2011, 36, 2521.	1.7	10
47	Growth of n-type Î³-CuCl with improved carrier concentration by pulsed DC sputtering: Structural, electronic and UV emission properties. Thin Solid Films, 2011, 519, 6064-6068.	0.8	10
48	Optical properties of undoped and oxygen doped CuCl films on silicon substrates. Journal of Materials Science: Materials in Electronics, 2009, 20, 76-80.	1.1	9
49	Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. IEEE Photonics Technology Letters, 2010, 22, 275-277.	1.3	9
50	Dependence of Photocurrent Enhancements in Hybrid Quantum Dot-MoS₂ Devices on Quantum Dot Emission Wavelength. ACS Photonics, 2019, 6, 976-984.	3.2	9
51	Origin of power fluctuations in GaN resonant-cavity light-emitting diodes. Optics Express, 2004, 12, 736.	1.7	8
52	Investigation of optimum wavelength converter based on nonlinear polarisation rotation in a bulk SOA. IET Optoelectronics, 2007, 1, 55-60.	1.8	8
53	Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. Optics Express, 2008, 16, 17682.	1.7	8
54	Optical properties of CuCl films on silicon substrates. Physica Status Solidi (B): Basic Research, 2008, 245, 2808-2814.	0.7	7

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55	Polarization dependence of non-linear gain compression factor in semiconductor optical amplifier. Optics Express, 2008, 16, 8641.	1.7	7
56	Electroluminescence of Î³-CuBr thin films via vacuum evaporation depositon. Journal Physics D: Applied Physics, 2010, 43, 165101.	1.3	7
57	Method to improve the noise figure and saturation power in multi-contact semiconductor optical amplifiers: simulation and experiment. Optics Express, 2013, 21, 7180.	1.7	7
58	Node-Dependent Photoinduced Electron Transfer in Third-Generation 2D MOFs Containing Earth-Abundant Metal Ions. Inorganic Chemistry, 2020, 59, 17244-17250.	1.9	7
59	Quasi-Guided Modes in Titanium Dioxide Arrays Fabricated via Soft Nanoimprint Lithography. ACS Applied Materials & Interfaces, 2021, 13, 47860-47870.	4.0	7
60	Polaritonic critical coupling in a hybrid quasibound states in the continuum cavityâ€“ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml monolayer system. Physical Review B, 2022, 105, .	3.7	7
61	Size-selective photoluminescence excitation spectroscopy in CdTe quantum dots. , 2003, 4876, 432.		6
62	Macroscopic Vortex-Induced Optical Activity in Silver Nanowires. Journal of Physical Chemistry C, 2019, 123, 15307-15313.	1.5	6
63	Spontaneous emission from semiconductor nanocrystals in coupled spherical microcavities. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 858-861.	0.8	5
64	Influence of Cavity Lifetime on High-Finesse Microcavity Two-Photon Absorption Photodetectors. IEEE Photonics Technology Letters, 2007, 19, 432-434.	1.3	5
65	Characterisation of n-type Î³-CuCl on Si for UV optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2007, 18, 57-60.	1.1	5
66	Experimental Investigation of Polarization Effects in Semiconductor Optical Amplifiers and Implications for All-Optical Switching. Journal of Lightwave Technology, 2008, 26, 2977-2985.	2.7	5
67	Description of polarisation dependence of two-photon absorption in silicon avalanche photodiodes. Electronics Letters, 2010, 46, 854.	0.5	5
68	Influence of Graphene Oxide/Ag Nanoparticle Composites on the Fluorescence Properties of Organic Dyes. Journal of Nanoscience and Nanotechnology, 2017, 17, 8901-8911.	0.9	5
69	Chromatic Dispersion Monitoring for High-Speed WDM Systems Using Two-Photon Absorption in a Semiconductor Microcavity. IEEE Journal of Quantum Electronics, 2009, 45, 90-99.	1.0	4
70	Dual Polarization Interferometric In-Band OSNR Measurement. IEEE Photonics Technology Letters, 2012, 24, 873-875.	1.3	4
71	Suppression of Residual Single-Photon Absorption Relative to Two-Photon Absorption in High Finesse Planar Microcavities. IEEE Photonics Technology Letters, 2008, 20, 1426-1428.	1.3	3
72	Noise controlled semiconductor optical amplifier based on lateral cavity laser. Electronics Letters, 2010, 46, 1288.	0.5	3

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73	Large energy transfer distance to a plane of gold nanoparticles. , 2012, , .		3
74	Temperature dependent photoluminescence of nanocrystalline Î³-CuCl hybrid films. Thin Solid Films, 2014, 564, 104-109.	0.8	3
75	Plasmonic Colour Printing by Light Trapping in Two-Metal Nanostructures. Nanomaterials, 2019, 9, 963.	1.9	3
76	Absorbance enhancement of monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml in a perfect absorbing system. Physical Review Materials, 2022, 6, .	0.9	3
77	Enhanced F rster resonance energy transfer between the CdTe quantum dots in proximity to gold nanoparticles. , 2007, , .		2
78	Characterization of a multi-electrode bulk-SOA for low NF in-line amplification in passive optical networks. , 2010, , .		2
79	Optical design of GaN resonant cavity LEDs emitting at 510nm for use in plastic optical fiber applications. , 2003, , .		1
80	Investigation of polarization dependent gain dynamics in a bulk SOA. Optics Communications, 2007, 272, 490-495.	1.0	1
81	Influence of intra-ensemble energy transfer on the properties of nanocrystal quantum dot structures and devices. , 2010, , .		1
82	FRET in self-assembled CdTe quantum dot nanoclusters. , 2010, , .		1
83	Enhanced quantum efficiency in mixed donor-acceptor nanocrystal quantum dot monolayers. , 2011, , .		1
84	Short pulse transmission characteristics in multi-contact SOA. , 2012, , .		1
85	Structural and optoelectronic properties of sputtered copper (I) chloride. , 2005, , .		0
86	Polarization Dependent Intra-Band Dynamics in Semiconductor Optical Amplifiers. , 2007, , .		0
87	Förster resonant energy transfer in quantum dot structures. , 2009, , .		0
88	Novel design for noise controlled semiconductor optical amplifier. , 2009, , .		0
89	Influence of localised surface plasmons on energy transfer between quantum dots. , 2010, , .		0
90	Modification of the FRET rate in quantum dot structures. , 2011, , .		0

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91	Decay rates near layers of Au nanospheres. , 2012, , .		0
92	Plasmon-assisted energy transfer near coated metal cylinders. , 2013, , .		0
93	Spectral overlap dependence of enhanced energy transfer near small Au nanoparticles. , 2014, , .		0
94	Tunable and efficient long range energy transfer via graphene plasmon modes. , 2015, , .		0
95	Influence of plasmonic array geometry on non-radiative energy transfer from a quantum well to a quantum dot layer. , 2017, , .		0
96	Nonradiative Energy Transfer and Photocurrent Enhancements in Hybrid Quantum Dot-MoS<inf>2</inf> Devices. , 2018, , .		0
97	Light Manipulation with Plasmonic Structures using Phase Change Materials. , 2019, , .		0
98	Rabi Splitting using Gold Nano-Bipyramids and Monolayer MoS2. , 2021, , .		0
99	Influence of Nanoparticle Dimensions on Rabi Splitting Strength. , 2021, , .		0