

# A Louise Bradley

## List of Publications by Year in descending order

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99  
papers

1,916  
citations

331259

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99  
docs citations

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times ranked

2394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polaritonic critical coupling in a hybrid quasibound states in the continuum cavityâ€“ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{WS} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 1 \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle 1$ monolayer system. Physical Review B, 2022, 105, .		
2	Absorbance enhancement of monolayer $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{MoS} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle 1$ in a perfect absorbing system. Physical Review Materials, 2022, 6, .		
3	Direct laser writing of vapour-responsive photonic arrays. Journal of Materials Chemistry C, 2021, 9, 11674-11678.	2.7	19
4	Wide-angle invisible dielectric metasurface driven by transverse Kerker scattering. Physical Review B, 2021, 103, .	1.1	20
5	Rabi Splitting using Gold Nano-Bipyramids and Monolayer MoS <sub>2</sub> . , 2021, , .		0
6	Quasi-Guided Modes in Titanium Dioxide Arrays Fabricated via Soft Nanoimprint Lithography. ACS Applied Materials & Interfaces, 2021, 13, 47860-47870.	4.0	7
7	Influence of Nanoparticle Dimensions on Rabi Splitting Strength. , 2021, , .		0
8	Node-Dependent Photoinduced Electron Transfer in Third-Generation 2D MOFs Containing Earth-Abundant Metal Ions. Inorganic Chemistry, 2020, 59, 17244-17250.	1.9	7
9	Influence of Gold Nano-Bipyramid Dimensions on Strong Coupling with Excitons of Monolayer MoS <sub>2</sub> . ACS Applied Materials & Interfaces, 2020, 12, 46406-46415.	4.0	16
10	Constructive and destructive interference of Kerker-type scattering in an ultrathin silicon Huygens metasurface. Physical Review Materials, 2020, 4, .	0.9	17
11	Plasmonic Colour Printing by Light Trapping in Two-Metal Nanostructures. Nanomaterials, 2019, 9, 963.	1.9	3
12	Macroscopic Vortex-Induced Optical Activity in Silver Nanowires. Journal of Physical Chemistry C, 2019, 123, 15307-15313.	1.5	6
13	Dependence of Photocurrent Enhancements in Hybrid Quantum Dot-MoS <sub>2</sub> Devices on Quantum Dot Emission Wavelength. ACS Photonics, 2019, 6, 976-984.	3.2	9
14	Light-harvesting, 3rd generation Ru <sup>II</sup> /Co <sup>II</sup> MOF with a large, tubular channel aperture. Chemical Communications, 2019, 55, 5013-5016.	2.2	11
15	Light Manipulation with Plasmonic Structures using Phase Change Materials. , 2019, , .		0
16	Oxide-mediated recovery of field-effect mobility in plasma-treated MoS <sub>2</sub> . Science Advances, 2018, 4, eaao5031.	4.7	82
17	Dependence of Photocurrent Enhancements in Quantum Dot (QD)â€“sensitized MoS <sub>2</sub> Devices on MoS <sub>2</sub> Film Properties. Advanced Functional Materials, 2018, 28, 1706149.	7.8	20
18	Nonradiative Energy Transfer and Photocurrent Enhancements in Hybrid Quantum Dot-MoS <sub>2</sub> Devices. , 2018, , .		0

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19	Dynamic structural colour using vanadium dioxide thin films. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 255101.	1.3	16
20	Ag colloids and arrays for plasmonic non-radiative energy transfer from quantum dots to a quantum well. <i>Nanotechnology</i> , 2017, 28, 115401.	1.3	14
21	Nanoplasmonic Sensing at the Carbon-Bio Interface: Study of Protein Adsorption at Graphitic and Hydrogenated Carbon Surfaces. <i>Langmuir</i> , 2017, 33, 4198-4206.	1.6	14
22	Influence of plasmonic array geometry on non-radiative energy transfer from a quantum well to a quantum dot layer. , 2017, , .		0
23	Influence of Graphene Oxide/Ag Nanoparticle Composites on the Fluorescence Properties of Organic Dyes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 8901-8911.	0.9	5
24	Near-field relaxation of a quantum emitter to two-dimensional semiconductors: Surface dissipation and exciton polaritons. <i>Physical Review B</i> , 2016, 94, .	1.1	27
25	A theoretical investigation of the influence of gold nanosphere size on the decay and energy transfer rates and efficiencies of quantum emitters. <i>Journal of Chemical Physics</i> , 2016, 144, 024108.	1.2	20
26	Tunable and long-range energy transfer efficiency through a graphene nanodisk. <i>Physical Review B</i> , 2016, 93, .	1.1	28
27	Influence of plasmonic array geometry on energy transfer from a quantum well to a quantum dot layer. <i>Nanoscale</i> , 2016, 8, 18170-18179.	2.8	13
28	Temperature-Dependent Luminescent Decay Properties of CdTe Quantum Dot Monolayers: Impact of Concentration on Carrier Trapping. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26490-26497.	1.5	12
29	Dynamical tuning of energy transfer efficiency on a graphene monolayer. <i>Physical Review B</i> , 2015, 91, .	1.1	21
30	Tunable and efficient long range energy transfer via graphene plasmon modes. , 2015, , .		0
31	Carrier density dependence of plasmon-enhanced nonradiative energy transfer in a hybrid quantum well-quantum dot structure. <i>Optics Express</i> , 2015, 23, 1377.	1.7	12
32	Spectral overlap dependence of enhanced energy transfer near small Au nanoparticles. , 2014, , .		0
33	Experimental and Theoretical Investigation of the Distance Dependence of Localized Surface Plasmon Coupled Förster Resonance Energy Transfer. <i>ACS Nano</i> , 2014, 8, 1273-1283.	7.3	130
34	Spontaneous emission and energy transfer rates near a coated metallic cylinder. <i>Physical Review A</i> , 2014, 89, .	1.0	24
35	Temperature dependent photoluminescence of nanocrystalline $\text{In}^3\text{-CuCl}$ hybrid films. <i>Thin Solid Films</i> , 2014, 564, 104-109.	0.8	3
36	Plasmon-assisted energy transfer near coated metal cylinders. , 2013, , .		0

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37	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
38	Large energy transfer distance to a plane of gold nanoparticles. , 2012, , .		3
39	Decay rates near layers of Au nanospheres. , 2012, , .		0
40	Short pulse transmission characteristics in multi-contact SOA. , 2012, , .		1
41	Dual Polarization Interferometric In-Band OSNR Measurement. IEEE Photonics Technology Letters, 2012, 24, 873-875.	1.3	4
42	Effect of Metal Nanoparticle Concentration on Localized Surface Plasmon Mediated Förster Resonant Energy Transfer. Journal of Physical Chemistry C, 2012, 116, 26529-26534.	1.5	39
43	Wavelength, Concentration, and Distance Dependence of Nonradiative Energy Transfer to a Plane of Gold Nanoparticles. ACS Nano, 2012, 6, 9283-9290.	7.3	131
44	Surface Plasmon Enhanced Energy Transfer between Donor and Acceptor CdTe Nanocrystal Quantum Dot Monolayers. Nano Letters, 2011, 11, 3341-3345.	4.5	159
45	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
46	Concentration dependence of Förster resonant energy transfer between donor and acceptor nanocrystal quantum dot layers: Effect of donor-donor interactions. Physical Review B, 2011, 83, .	1.1	111
47	Modification of the FRET rate in quantum dot structures. , 2011, , .		0
48	Enhanced quantum efficiency in mixed donor-acceptor nanocrystal quantum dot monolayers. , 2011, , .		1
49	Growth of n-type $\hat{I}^3$ -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
50	Förster resonant energy transfer in quantum dot layers. Superlattices and Microstructures, 2010, 47, 98-102.	1.4	26
51	Characterization of a multi-electrode bulk-SOA for low NF in-line amplification in passive optical networks. , 2010, , .		2
52	Influence of localised surface plasmons on energy transfer between quantum dots. , 2010, , .		0
53	Influence of intra-ensemble energy transfer on the properties of nanocrystal quantum dot structures and devices. , 2010, , .		1
54	Noise controlled semiconductor optical amplifier based on lateral cavity laser. Electronics Letters, 2010, 46, 1288.	0.5	3

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55	Description of polarisation dependence of two-photon absorption in silicon avalanche photodiodes. Electronics Letters, 2010, 46, 854.	0.5	5
56	Electroluminescence of $\text{In}^{\text{III}}$ -CuBr thin films via vacuum evaporation deposition. Journal Physics D: Applied Physics, 2010, 43, 165101.	1.3	7
57	Two-Photon-Absorption-Based OSNR Monitor for NRZ-PSK Transmission Systems. IEEE Photonics Technology Letters, 2010, 22, 275-277.	1.3	9
58	Influence of quantum dot concentration on Förster resonant energy transfer in monodispersed nanocrystal quantum dot monolayers. Physical Review B, 2010, 81, .	1.1	85
59	FRET in self-assembled CdTe quantum dot nanoclusters. , 2010, , .		1
60	In-band OSNR monitoring using a pair of Michelson fiber interferometers. Optics Express, 2010, 18, 3618.	1.7	33
61	Energy transfer in colloidal CdTe quantum dot nanoclusters. Optics Express, 2010, 18, 24486.	1.7	27
62	Hybrid organic-inorganic spin-on-glass CuCl films for optoelectronic applications. Journal Physics D: Applied Physics, 2009, 42, 225307.	1.3	21
63	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
64	Förster resonant energy transfer in quantum dot structures. , 2009, , .		0
65	Novel design for noise controlled semiconductor optical amplifier. , 2009, , .		0
66	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
67	Two-Dimensional Förster Resonant Energy Transfer in a Mixed Quantum Dot Monolayer: Experiment and Theory. Journal of Physical Chemistry C, 2009, 113, 3084-3088.	1.5	51
68	Optical properties of CuCl films on silicon substrates. Physica Status Solidi (B): Basic Research, 2008, 245, 2808-2814.	0.7	7
69	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
70	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
71	Polarization dependence of non-linear gain compression factor in semiconductor optical amplifier. Optics Express, 2008, 16, 8641.	1.7	7
72	Polarization dependence of a GaAs-based two-photon absorption microcavity photodetector. Optics Express, 2008, 16, 17682.	1.7	8

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73	Surface plasmon enhanced Förster resonance energy transfer between the CdTe quantum dots. Applied Physics Letters, 2008, 93, .	1.5	90
74	Polarization Dependent Intra-Band Dynamics in Semiconductor Optical Amplifiers. , 2007, , .		0
75	Enhanced Förster resonance energy transfer between the CdTe quantum dots in proximity to gold nanoparticles. , 2007, , .		2
76	Investigation of optimum wavelength converter based on nonlinear polarisation rotation in a bulk SOA. IET Optoelectronics, 2007, 1, 55-60.	1.8	8
77	Evaluation of the chemical, electronic and optoelectronic properties of $\hat{\Gamma}^3$ -CuCl thin films and their fabrication on Si substrates. Journal Physics D: Applied Physics, 2007, 40, 3461-3467.	1.3	13
78	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
79	Influence of Cavity Lifetime on High-Finesse Microcavity Two-Photon Absorption Photodetectors. IEEE Photonics Technology Letters, 2007, 19, 432-434.	1.3	5
80	Investigation of polarization dependent gain dynamics in a bulk SOA. Optics Communications, 2007, 272, 490-495.	1.0	1
81	Characterisation of n-type $\hat{\Gamma}^3$ -CuCl on Si for UV optoelectronic applications. Journal of Materials Science: Materials in Electronics, 2007, 18, 57-60.	1.1	5
82	Off-resonance surface plasmon enhanced spontaneous emission from CdTe quantum dots. Applied Physics Letters, 2006, 89, 2531-18.	1.5	109
83	Resonance tuning of two-photon absorption microcavities for wavelength-selective pulse monitoring. IEEE Photonics Technology Letters, 2006, 18, 433-435.	1.3	10
84	Emission properties of colloidal quantum dots on polyelectrolyte multilayers. Nanotechnology, 2006, 17, 4117-4122.	1.3	38
85	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
86	Encapsulation of the heteroepitaxial growth of wide band gap $\hat{\Gamma}^3$ -CuCl on silicon substrates. Journal of Crystal Growth, 2006, 287, 112-117.	0.7	18
87	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
88	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
89	All-optical sampling utilising two-photon absorption in semiconductor microcavity. Electronics Letters, 2005, 41, 489.	0.5	13
90	Room-temperature ultraviolet luminescence from $\hat{\Gamma}^3$ -CuCl grown on near lattice-matched silicon. Journal of Applied Physics, 2005, 98, 113512.	1.1	31

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91	Structural and optoelectronic properties of sputtered copper (I) chloride. , 2005, , .		0
92	Highly efficient Förster resonance energy transfer between CdTe nanocrystals and Rhodamine B in mixed solid films. Chemical Physics Letters, 2004, 388, 100-104.	1.2	40
93	Confined optical modes in small photonic molecules with semiconductor nanocrystals. Journal of Applied Physics, 2004, 96, 6761-6765.	1.1	22
94	High-Sensitivity Two-Photon Absorption Microcavity Autocorrelator. IEEE Photonics Technology Letters, 2004, 16, 1543-1545.	1.3	21
95	GaN Resonant Cavity Light-Emitting Diodes for Plastic Optical Fiber Applications. IEEE Photonics Technology Letters, 2004, 16, 2006-2008.	1.3	26
96	Origin of power fluctuations in GaN resonant-cavity light-emitting diodes. Optics Express, 2004, 12, 736.	1.7	8
97	Size-selective photoluminescence excitation spectroscopy in CdTe quantum dots. , 2003, 4876, 432.		6
98	Optical design of GaN resonant cavity LEDs emitting at 510nm for use in plastic optical fiber applications. , 2003, , .		1
99	Two-photon absorption photocurrent enhancement in bulk AlGaAs semiconductor microcavities. Applied Physics Letters, 2002, 80, 1328-1330.	1.5	37