

# Brian Fluegel

## List of Publications by Year in descending order

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29  
papers

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citations

1307594

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1058476

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g-index

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all docs

29  
docs citations

29  
times ranked

288  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triplet-pair spin signatures from macroscopically aligned heteroacenes in an oriented single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
2	Charge transfer states and carrier generation in 1D organolead iodide semiconductors. Journal of Materials Chemistry A, 2021, 9, 14977-14990.	10.3	15
3	Direct observation of the quantum fluctuation driven amplitude mode in a microcavity polariton condensate. Physical Review B, 2021, 103, .	3.2	4
4	Carrier lifetime as a function of Se content for CdSe <sub>x</sub> Te <sub>1-x</sub> films grown on Al <sub>2</sub> O <sub>3</sub> and MgZnO. , 2021, , .		3
5	Crystallographically aligned 1.508 eV nitrogen pairs in ultra-dilute GaAs:N. Japanese Journal of Applied Physics, 2018, 57, 090302.	1.5	2
6	Spectrally resolved localized states in GaAs <sub>1-<math>\hat{x}</math></sub> <sub><math>\hat{x}</math></sub> /Bi <sub><math>\hat{x}</math></sub> . Japanese Journal of Applied Physics, 2017, 56, 035801.	1.5	9
7	Bismuth interstitial impurities and the optical properties of GaP <sub>1-<math>\hat{x}</math></sub> <sub><math>\hat{x}</math></sub> /Bi <sub><math>\hat{x}</math></sub> N <sub><math>\hat{y}</math></sub> . Japanese Journal of Applied Physics, 2017, 56, 111201.		
8	Ferroelastic modulation and the Bloch formalism. Science Advances, 2017, 3, e1602754.	10.3	1
9	Ultra-low threshold polariton condensation. Optics Letters, 2017, 42, 1165.	3.3	5
10	Consequences of spatial antisymmetry on light. , 2016, , .		0
11	Bismuth-induced Raman modes in GaP <sub>1-<math>\hat{x}</math></sub> <sub><math>\hat{x}</math></sub> . Japanese Journal of Applied Physics, 2016, 55, 108002.	1.5	7
12	Electronic Raman scattering as an ultra-sensitive probe of strain effects in semiconductors. Nature Communications, 2015, 6, 7136.	12.8	20
13	Mysterious absence of pair luminescence in gallium phosphide bismide. Applied Physics Express, 2015, 8, 061202.	2.4	9
14	Spectroscopic determination of the bandgap crossover composition in MBE-grown Al <sub><math>\hat{x}</math></sub> Ga <sub>1-<math>\hat{x}</math></sub> As. Japanese Journal of Applied Physics, 2015, 54, 042402.	1.5	4
15	Magnetic field-induced direct $\leftrightarrow$ indirect crossover in Al <sub><math>\hat{x}</math></sub> Ga <sub>1-<math>\hat{x}</math></sub> As. Applied Physics Express, 2014, 7, 111201.	2.4	1
16	Probing carrier lifetimes at dislocations in epitaxial CdTe. Applied Physics Express, 2014, 7, 065503.	2.4	5
17	Precise Determination of the Direct $\leftrightarrow$ Indirect Band Gap Energy Crossover Composition in Al <sub><math>\hat{x}</math></sub> Ga <sub>1-<math>\hat{x}</math></sub> As. Applied Physics Express, 2013, 6, 071201.	2.4	7
18	Mechanism of asymmetric lineshape broadening in GaAs Raman spectra. Physical Review B, 2012, 86, .		

#	ARTICLE	IF	CITATIONS
19	Eigenstate localization in an asymmetric coupled quantum well pair. Superlattices and Microstructures, 2012, 51, 834-841.	3.1	3
20	Investigation of effects of processing and impurities on the properties of CdTe using microscopic two-dimensional photoluminescence imaging technique. , 2009, , .		3
21	Ultrafast nonlinear gain dynamics in semiconductor nanocrystals. Phase Transitions, 1999, 68, 59-94.	1.3	6
22	Photoluminescence up-conversion in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As heterostructures. Physical Review B, 1998, 58, R4254-R4257.	3.2	42
23	Quantum dots in the strong confinement regime: a model system for gain in quasi-zero-dimensional semiconductors. , 1996, , .		0
24	Observation of spectral hole sidebands in the gain region of an inverted semiconductor. , 1996, , .		0
25	Photoluminescence decay dynamics in an InGaN/AlGaIn/GaN double heterostructure blue light emitting diode. Applied Physics Letters, 1995, 67, 1515-1517.	3.3	39
26	Femtosecond nonlinear optics of semiconductor quantum wells. , 1992, , .		0
27	Femtosecond optical nonlinearities under resonant excitation of excitons in CdSe. Journal of Crystal Growth, 1992, 117, 768-772.	1.5	2
28	Femtosecond hole-burning and nonlinear dynamics of quantum-confined semiconductor-doped glasses. , 1990, , .		1
29	Design and Demonstration of Al <sub>x</sub> In <sub>1-x</sub> P Multiple Quantum Well Light-Emitting Diodes. Journal Physics D: Applied Physics, 0, , .	2.8	2