

# Bruce McCombe

## List of Publications by Year in descending order

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31  
papers

237  
citations

1163117

8  
h-index

996975

15  
g-index

31  
all docs

31  
docs citations

31  
times ranked

216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic-field-induced unbinding of the off-well-center $\tilde{D}^{\pm}$ singlet state in GaAs/Al <sub>0.3</sub> Ga <sub>0.7</sub> As multiple quantum wells. <i>Physical Review B</i> , 1997, 56, R1692-R1695.	3.2	42
2	Tailoring the intersubband absorption in quantum wells. <i>Applied Physics Letters</i> , 1989, 55, 891-893.	3.3	38
3	Robust magnetic polarons in type-II (Zn,Mn)Te/ZnSe magnetic quantum dots. <i>Physical Review B</i> , 2010, 82, .	3.2	37
4	Coherent Aharonov-Bohm oscillations in type-II (Zn,Mn)Te/ZnSe quantum dots. <i>Physical Review B</i> , 2008, 77, .	3.2	16
5	Time-resolved magnetophotoluminescence studies of magnetic polaron dynamics in type-II quantum dots. <i>Physical Review B</i> , 2015, 92, .	3.2	14
6	Landau levels and spin splitting in the two-dimensional electron gas of a HgTe quantum well near the critical width for the topological phase transition. <i>Physical Review B</i> , 2014, 90, .	3.2	12
7	Terahertz Dynamics of a Topologically Protected State: Quantum Hall Effect Plateaus near the Cyclotron Resonance of a Two-Dimensional Electron Gas. <i>Physical Review Letters</i> , 2015, 115, 247401.	7.8	10
8	Pressure Tuning of Competing Charged and Neutral Exciton States in Quasi-2D Semiconductor Structures. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 263-267.	1.5	9
9	Pressure Tuning of Many-Electron Impurity Interactions in Confined Semiconductor Structures. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 211, 131-136.	1.5	7
10	The g-factor of quasi-two-dimensional electrons in InAs/InGaAs/InAlAs inserted-channels. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	7
11	Spin Polarization Measurements of InAs-Based LEDs. <i>Journal of Superconductivity and Novel Magnetism</i> , 2006, 18, 391-397.	0.5	6
12	Pressure Dependence of the Electron Effective Mass in GaAs up to the $1s(\tilde{\Gamma}^{\pm})$ - $1s(X)$ Crossover. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 41-47.	1.5	5
13	Spin injection and circular polarized electroluminescence from InAs-based spin-light emitting diode structures. <i>Journal of Applied Physics</i> , 2010, 107, 114510.	2.5	5
14	THz Magneto-photoresponse of an InAs-based quantum point contact in the region of cyclotron resonance. <i>Journal of Physics: Conference Series</i> , 2013, 456, 012031.	0.4	5
15	Electronic property variations due to an embedded potential barrier layer in modulation-doped step quantum wells. <i>Journal of Applied Physics</i> , 2002, 91, 5089-5092.	2.5	4
16	Magnetic and Electrical Properties of Random and Digital Alloys of GaSb:Mn. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005, 18, 87-92.	0.5	4
17	Electrical and terahertz magnetospectroscopy studies of laser-patterned micro- and nanostructures on InAs-based heterostructures. <i>Applied Physics Letters</i> , 2015, 106, 052102.	3.3	4
18	THz Magneto-Photoresponse Spectroscopy of Two-Dimensional Electrons in an InAs/InGaAs/InAlAs Inserted-Channel. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2015, 36, 291-297.	2.2	4

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19	Electrical spin injection and optical detection in InAs based light emitting diodes. Applied Physics Letters, 2008, 93, .	3.3	3
20	HIGH-FIELD MAGNETOTRANSPORT STUDIES OF FERROMAGNETIC GaAs/Mn DIGITAL ALLOYS. International Journal of Modern Physics B, 2004, 18, 3735-3743.	2.0	2
21	Magneto-Optical Studies of Spin Injection in Cd <sub>1-x</sub> MnxSe/InAs Structures. International Journal of Modern Physics B, 2007, 21, 1347-1349.	2.0	2
22	Magneto-Spectroscopy of Two-Dimensional Systems: Many- and Few-Body Effects. Journal of Superconductivity and Novel Magnetism, 2003, 16, 767-776.	0.5	1
23	A far infrared study of shallow acceptors in GaAs/AlGaAs quantum wells. , 1987, , .		0
24	Optical Phonon Modes of InP/II-VI core-shell Nanoparticles: a Raman and Infrared Study. AIP Conference Proceedings, 2005, , .	0.4	0
25	THz Quantum Hall Conductivity Studies in a GaAs Heterojunction. , 2011, , .		0
26	Rashba Effect and Beating Patterns in the THz Magneto-Photoresponse of a HgTe-Based Two-Dimensional Electron Gas. Selected Topics in Electronics and Systems, 2015, , 67-73.	0.2	0
27	Observation of Thermoelectric Voltages from the Two-Dimensional Electron Gas of a HgTe Quantum Well Due to Resonant THz Laser Heating. Journal of Electronic Materials, 2015, 44, 3598-3602.	2.2	0
28	Rashba Effect and Beating Patterns in the THz Magneto-Photoresponse of a HgTe-Based Two-Dimensional Electron Gas. International Journal of High Speed Electronics and Systems, 2015, 24, 1520003.	0.7	0
29	Characterization of High Mobility InAs/InGaAs/InAlAs Composite Channels by THz Magneto-Photoresponse Spectroscopy. International Journal of High Speed Electronics and Systems, 2015, 24, 1520004.	0.7	0
30	HIGH-FIELD MAGNETOTRANSPORT STUDIES OF FERROMAGNETIC GaAs/Mn DIGITAL ALLOYS. , 2005, , .		0
31	Characterization of High Mobility InAs/InGaAs/InAlAs Composite Channels by THz Magneto-Photoresponse Spectroscopy. Selected Topics in Electronics and Systems, 2015, , 75-81.	0.2	0