

Narayan Sahoo

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of multisubband electron mobility in square-parabolic asymmetric double quantum well structure. Superlattices and Microstructures, 2017, 105, 11-21.	3.1	21
2	Oscillating electron mobility in GaAs/Al _x Ga _{1-x} As double quantum well structure under applied electric field. Superlattices and Microstructures, 2015, 77, 162-170.	3.1	16
3	Mobility modulation in inverted delta doped coupled double quantum well structure. Physica B: Condensed Matter, 2016, 498, 49-54.	2.7	16
4	Electron Mobility in Al _x Ga _{1-x} As Based Square-Parabolic Double Quantum Well HEMT Structure – Effect of Asymmetric Doping Profile. Physica Status Solidi (B): Basic Research, 2017, 254, 1700221.	1.5	16
5	Electric field induced enhancement of multisubband electron mobility in strained GaAs/InGaAs coupled quantum well structures. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 46, 155-159.	2.7	15
6	Effect of doping profile on multisubband electron mobility in AlGaAs parabolic quantum well structures. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 33-38.	2.7	14
7	Electron mobility in asymmetric coupled Al _x Ga _{1-x} As parabolic quantum well structure – Impact of external electric field. Physica B: Condensed Matter, 2021, 608, 412798.	2.7	14
8	Electric field induced oscillating electron mobility in asymmetric wide GaAs/Al _x Ga _{1-x} As quantum well structure. Journal of Applied Physics, 2014, 116, 043703.	2.5	13
9	Electric field induced non-linear multisubband electron mobility in V-shaped asymmetric double quantum well structure. Philosophical Magazine, 2020, 100, 512-527.	1.6	12
10	Effect of parabolic potential well profile on multisubband electron mobility in a coupled quantum well in presence of an external electric field. Superlattices and Microstructures, 2013, 61, 50-58.	3.1	11
11	Oscillation of electron mobility in parabolic double quantum well structure due to applied electric field. AIP Advances, 2014, 4, .	1.3	9
12	Multisubband electron mobility in a parabolic quantum well structure under the influence of an applied electric field. Journal of Semiconductors, 2014, 35, 012001.	3.7	9
13	Oscillation of Electron Mobility in V-shaped Double Quantum Well Structure Under Applied Electric Field. Physica Status Solidi (B): Basic Research, 2019, 256, 1800337.	1.5	4
14	Effect of Well Width and Barrier Width on I-V Characteristics of Armchair Graphene Nanoribbon based Resonant Tunneling Diode Structure. , 2021, , .		4
15	Performance enhancement of armchair graphene nanoribbon resonant tunneling diode using V-shaped potential well. Physica Scripta, 2021, 96, 124076.	2.5	4
16	Effect of external electric field on photo-responsivity of CdS/ZnSe multiple quantum well photodetector. Superlattices and Microstructures, 2021, 157, 107003.	3.1	3
17	Enhancement of low temperature electron mobility due to an electric field in an InGaAs/InAlAs double quantum well structure. Semiconductors, 2014, 48, 1318-1323.	0.5	2
18	Electron transport in Al _x Ga _{1-x} As based double quantum well modulation doped field effect transistor structure: effect of non-square potential profile. Journal of Micromechanics and Microengineering, 2019, 29, 084003.	2.6	2

#	ARTICLE	IF	CITATIONS
19	Effect of parabolic potential on improvement of electron mobility in hybrid double quantum well structure. , 2018, , .		1
20	Enhancement of electron mobility in GaAs/Al _x Ga _{1-x} As square-parabolic double quantum well HEMT structure. Microsystem Technologies, 2019, 25, 1901-1907.	2.0	1
21	Automatic Localization of Pupil Using Histogram Thresholding and Region Based Mask Filter. Studies in Computational Intelligence, 2012, , 55-62.	0.9	1
22	Electric field induced enhancement in multisubband electron mobility in strained GaAs/InGaAs double quantum well structures. , 2012, , .		0
23	Multi-subband electron mobility in AlGaAs parabolic quantum wells. , 2014, , .		0
24	Enhancement of multisubband electron mobility in hybrid double quantum well structure. , 2016, , .		0
25	Enhancement of multisubband electron transport mobility in square " Parabolic double quantum well. , 2017, , .		0
26	Nonlinear Electron Transport Mobility in GaAs/Al _x Ga _{1-x} As Square - Parabolic Double Quantum Well MODFET Structure. , 2018, , .		0
27	Electron Transport in Al _x Ga _{1-x} As based Non-Square Double Quantum Well Field Effect Transistor Structure. , 2018, , .		0
28	Effect of Intersubband Interaction on Non-Linear Electron Mobility in Asymmetric AlGaAs Parabolic Double Quantum Well Structure. , 2018, , .		0
29	Nonlinear electron transport in asymmetric double quantum well structures. , 2018, , .		0
30	Mobility Modulation in V-shaped Double Quantum Well based HEMT Structure. , 2019, , .		0
31	Effect of external electric field on multisubband electron mobility in n-V-shaped double quantum well HEMT structure. Physica Scripta, 2020, 95, 034002.	2.5	0
32	Multisubband Electron Mobility in Pseudomorphic Al _{0.3} Ga _{0.7} As/In _{0.15} Ga _{0.85} As Double Quantum Well based FET Structure. , 2021, , .		0