

A M Kadykov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3838065/publications.pdf>

Version: 2024-02-01

39
papers

529
citations

858243

12
h-index

721071

23
g-index

47
all docs

47
docs citations

47
times ranked

324
citing authors

#	ARTICLE	IF	CITATIONS
1	Many-particle effects in optical transitions from zero-mode Landau levels in HgTe quantum wells. <i>Physical Review B</i> , 2020, 102, .	1.1	3
2	Features of Photoluminescence of Double Acceptors in HgTe/CdHgTe Heterostructures with Quantum Wells in a Terahertz Range. <i>JETP Letters</i> , 2019, 109, 657-662.	0.4	10
3	Terahertz Spectroscopy of Two-Dimensional Semimetal in Three-Layer InAs/GaSb/InAs Quantum Well. <i>JETP Letters</i> , 2019, 109, 96-101.	0.4	4
4	Experimental Observation of Temperature-Driven Topological Phase Transition in HgTe/CdHgTe Quantum Wells. <i>Condensed Matter</i> , 2019, 4, 27.	0.8	5
5	Temperature-Induced Topological Phase Transition in HgTe Quantum Wells. <i>Physical Review Letters</i> , 2018, 120, 086401.	2.9	43
6	Terahertz Photoluminescence of Double Acceptors in Bulky Epitaxial HgCdTe Layers and HgTe/CdHgTe Structures with Quantum Wells. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 127, 1125-1129.	0.2	6
7	Spectroscopy of Temperature-Driven Single Valley Dirac Fermions in HgTe/CdHgTe Quantum Wells. , 2018, , .		0
8	HgCdTe based quantum well heterostructures for long-wavelength lasers operating in 5 - 15 THz range. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012126.	0.3	0
9	HgTe/CdTe Quantum Well Heterostructures For Far and Mid IR Lasers. , 2018, , .		0
10	Effect of Features of the Band Spectrum on the Characteristics of Stimulated Emission in Narrow-Gap Heterostructures with HgCdTe Quantum Wells. <i>Semiconductors</i> , 2018, 52, 1375-1379.	0.2	6
11	Calculation of Multiply Charged States of Impurity-Defect Centers in Epitaxial Hg _{1-x} CdxTe Layers. <i>Semiconductors</i> , 2018, 52, 1369-1374.	0.2	4
12	Temperature-dependent terahertz spectroscopy of inverted-band three-layer InAs/GaSb/InAs quantum well. <i>Physical Review B</i> , 2018, 97, .	1.1	24
13	Stimulated emission in the 28â€“35 Î¼m wavelength range from Peltier cooled HgTe/CdHgTe quantum well heterostructures. <i>Optics Express</i> , 2018, 26, 12755.	1.7	26
14	Magneto-optical Studies and Stimulated Emission in Narrow Gap HgTe/CdHgTe Structures in the Very Long Wavelength Infrared Range. <i>Semiconductors</i> , 2018, 52, 436-441.	0.2	0
15	Cyclotron resonance of dirac fermions in InAs/GaSb/InAs quantum wells. <i>Semiconductors</i> , 2017, 51, 38-42.	0.2	3
16	HgCdTe-based heterostructures for terahertz photonics. <i>APL Materials</i> , 2017, 5, .	2.2	49
17	On the band spectrum in p-type HgTe/CdHgTe heterostructures and its transformation under temperature variation. <i>Semiconductors</i> , 2017, 51, 1531-1536.	0.2	8
18	Stimulated emission from HgCdTe quantum well heterostructures at wavelengths up to 19.5â€“m. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	58

#	ARTICLE	IF	CITATIONS
19	Temperature-driven single-valley Dirac fermions in HgTe quantum wells. <i>Physical Review B</i> , 2017, 96, .	1.1	38
20	Terahertz photoconductivity of double acceptors in narrow gap HgCdTe epitaxial films grown by molecular beam epitaxy on GaAs(013) and Si(013) substrates. <i>Semiconductor Science and Technology</i> , 2017, 32, 095007.	1.0	27
21	Investigation of HgCdTe waveguide structures with quantum wells for long-wavelength stimulated emission. <i>Semiconductors</i> , 2017, 51, 1557-1561.	0.2	6
22	Observation of topological phase transition by terahertz photoconductivity in HgTe-based transistors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 534-537.	0.8	2
23	Long-wavelength stimulated emission and carrier lifetimes in HgCdTe-based waveguide structures with quantum wells. <i>Semiconductors</i> , 2016, 50, 1651-1656.	0.2	7
24	Long wavelength stimulated emission up to 9.5 μm from HgCdTe quantum well heterostructures. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	34
25	Terahertz cyclotron emission from HgCdTe bulk films. , 2016, , .		0
26	Mercury vacancies as divalent acceptors in $\text{Hg}_{1-y}\text{Cd}_y\text{Te}$ structures with quantum wells. <i>Semiconductors</i> , 2016, 50, 1662-1668.	0.2	6
27	THz magnetospectroscopy of double HgTe quantum well. , 2016, , .		0
28	Terahertz imaging of Landau levels in HgTe-based topological insulators. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	13
29	Long-wavelength stimulated emission in HgCdTe quantum well waveguide heterostructures. , 2016, , .		0
30	Magnetospectroscopy of double HgTe/CdHgTe quantum wells. <i>Semiconductors</i> , 2016, 50, 1532-1538.	0.2	9
31	Temperature-driven massless Kane fermions in HgCdTe crystals. <i>Nature Communications</i> , 2016, 7, 12576.	5.8	73
32	THz lasers based on narrow-gap semiconductors. , 2016, , .		0
33	Terahertz detection of magnetic field-driven topological phase transition in HgTe-based transistors. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	13
34	Terahertz excitations in HgTe-based field effect transistors. <i>Journal of Physics: Conference Series</i> , 2015, 647, 012009.	0.3	0
35	Investigation of possibility of VLWIR lasing in HgCdTe based heterostructures. <i>Journal of Physics: Conference Series</i> , 2015, 647, 012008.	0.3	6
36	Impurity-induced photoconductivity of narrow-gap Cadmium-Mercury-Telluride structures. <i>Semiconductors</i> , 2015, 49, 1605-1610.	0.2	6

#	ARTICLE	IF	CITATIONS
37	Long wavelength superluminescence from narrow gap HgCdTe epilayer at 100 K. Applied Physics Letters, 2015, 107, .	1.5	11
38	Time resolved photoluminescence spectroscopy of narrow gap Hg _{1-x} Cd _x Te/Cd _y Hg _{1-y} Te quantum well heterostructures. Applied Physics Letters, 2014, 105, 022102.	1.5	28
39	Nonresonant radiative exciton transfer by near field between quantum wells. Journal of Experimental and Theoretical Physics, 2013, 117, 944-949.	0.2	1