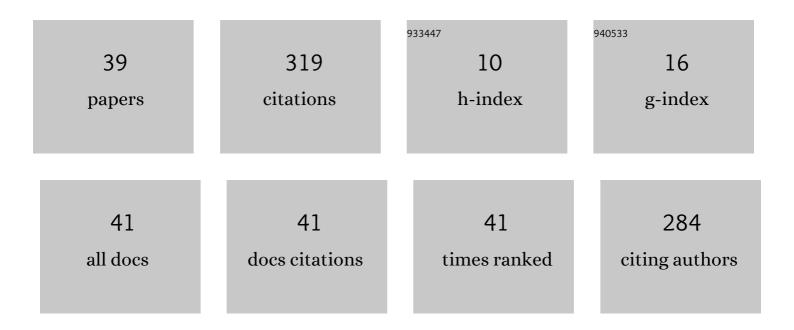
Mithun Bhowmick

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Detonation on a tabletop: Nitromethane with high time and space resolution. Journal of Applied Physics, 2018, 124, .	2.5	35
2	Shock Initiation Microscopy with High Time and Space Resolution. Propellants, Explosives, Pyrotechnics, 2020, 45, 223-235.	1.6	34
3	Optical windows as materials for high-speed shock wave detectors. AIP Advances, 2018, 8, .	1.3	30
4	The concept of ocular inserts as drug delivery systems: An overview. Asian Journal of Pharmaceutics (discontinued), 2008, 2, 192.	0.4	25
5	Intrinsic photoluminescence Stokes shift in semiconductors demonstrated by thin-film CdS formed with pulsed-laser deposition. Thin Solid Films, 2014, 558, 24-26.	1.8	23
6	Inherent photoluminescence Stokes shift in GaAs. Optics Letters, 2015, 40, 2580.	3.3	20
7	Time-resolved differential transmission in MOVPE-grown ferromagnetic InMnAs. Physical Review B, 2012, 85, .	3.2	13
8	Shock-induced kinetics and cellular structures of liquid nitromethane detonation. Combustion and Flame, 2021, 225, 5-12.	5.2	13
9	Dynamics of photoexcited carriers and spins in InAsP ternary alloys. Applied Physics Letters, 2013, 102, 222102.	3.3	10
10	Atomic transition region at the crossover between quantum dots to molecules. Physica Scripta, 2014, 89, 025801.	2.5	10
11	Relation between Debye temperature and energy band gap of semiconductors. AIP Advances, 2017, 7, .	1.3	10
12	Photoluminescence lineshape of ZnO. AIP Advances, 2014, 4, 123001.	1.3	9
13	Stimulated Raman scattering signal amplification in ethanol molecules via resonant cascading. Applied Physics Letters, 2021, 118, .	3.3	9
14	Optical Bandgap Definition via a Modified Form of Urbach's Rule. Materials, 2021, 14, 1639.	2.9	9
15	Laser-driven flyer plate impact: Computational studies guided by experiments. Journal of Applied Physics, 2021, 129, .	2.5	8
16	Mathematical assessment of the thermal band gap variation of semiconductors. Physica Scripta, 2019, 94, 085701.	2.5	7
17	Ethylenediamine Catalyzes Nitromethane Shock-to-Detonation in Two Distinct Ways. Journal of Physical Chemistry B, 2021, 125, 8185-8192.	2.6	7
18	Time resolved spectroscopy of InMnAs using differential transmission technique in mid-infrared. Physics Procedia, 2010, 3, 1167-1170.	1.2	6

Мітния Вножміск

#	Article	IF	CITATIONS
19	Interband and intraband relaxation dynamics in InSb based quantum wells. Journal of Applied Physics, 2016, 120, .	2.5	6
20	Studies in shocked nitromethane through high dynamic range spectroscopy. AIP Conference Proceedings, 2018, , .	0.4	6
21	Shock compression microscopy: Shocked materials with high time and space resolution. AIP Conference Proceedings, 2020, , .	0.4	4
22	All-optical switch based on PbS quantum dots. Applied Physics Letters, 2021, 119, .	3.3	4
23	Probe of interband relaxations of photo-excited carriers and spins in InSb based quantum wells. Physics Procedia, 2010, 3, 1161-1165.	1.2	3
24	Numerical predictions of shock propagation through unreactive and reactive liquids with experimental validation. AIP Conference Proceedings, 2018, , .	0.4	3
25	Impact of PbS quantum dots on GaAs photoluminescence. , 2021, , .		3
26	Imaging the reactive flow structure in shocked nitromethane and nitromethane with additives. AIP Conference Proceedings, 2020, , .	0.4	3
27	The thermo-electric nature of the Debye temperature. AIP Advances, 2018, 8, 055318.	1.3	2
28	Probe of coherent and quantum states in narrow-gap based semiconductors with strong spin-orbit coupling. , 2010, , .		1
29	Probe of coherent and quantum states in narrow-gap semiconductors in the presence of strong spin-orbit coupling. Proceedings of SPIE, 2010, , .	0.8	1
30	Carrier Dynamics in Parabolic InSb Based Multi Quantum Wells. , 2011, , .		1
31	Time-resolved spectroscopy of MOVPE-grown III-Mn-V ferromagnetic semiconductors. Proceedings of SPIE, 2012, , .	0.8	1
32	Introductory Chapter: Interferometry. , 2019, , .		1
33	Correction of the Fan factor. AIP Advances, 2020, 10, 035014.	1.3	1
34	Investigation of structural changes in shock compressed III-V materials. , 2022, , .		1
35	Time Resolved Spectroscopy of MOVPE Grown Narrow Gap Ferromagnetic Semiconductors. , 2011, , .		Ο
36	Computational studies of laser-driven flyer impact experiments to probe properties of inert and energetic materials. AIP Conference Proceedings, 2020, , .	0.4	0

#	Article	IF	CITATIONS
37	Photoluminescence from two-color quantum dot films. , 2022, , .		0
38	Optical characterization of apatite for enhanced optoelectronic properties. , 2022, , .		0
39	Microscopic description and uncertainty of the Stokes shift in semiconductors. Optics Letters, 2022, 47, 1953.	3.3	0