Manjeet Singh

List of Publications by Year
in descending order

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42 papers	203 citations	1307366 7 h-index	1281743 11 g-index
42 all docs	42 docs citations	42 times ranked	83 citing authors

#	Article	IF	Citations
1	Parametric amplification of acoustical phonons in semiconductor magneto-plasmas: Quantum effects. Materials Today: Proceedings, 2022, 49, 1383-1389.	0.9	9
2	Hot carrier effects on Brillouin susceptibilities of semiconductor magnetoplasmas. Pramana - Journal of Physics, 2022, 96, 1.	0.9	1
3	Enhanced Raman gain coefficients of semiconductor magneto-plasmas. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	0
4	High Gain Coefficient Parametric Amplification of Optical Phonon Mode in Magnetized AIIIBV Semiconductor Plasmas. Arabian Journal for Science and Engineering, 2021, 46, 721-729.	1.7	4
5	Piezoelectric Contributions to Optical Parametric Amplification of Acoustical Phonons in Magnetized Doped IIIâ€“V Semiconductors. Iranian Journal of Science and Technology, Transaction A: Science, 2021, 45, 373-382.	0.7	5
6	Free and bound charge carriers dependent Raman susceptibilities in weakly-polar magnetoactive semiconductors. Materials Today: Proceedings, 2021, 46, 5844-5851.	0.9	4
7	Parametric oscillation of acoustical phonon mode in magnetized doped IIIâ€“V semiconductors. Journal of Optics (India), 2021, 50, 209-222.	0.8	4
8	Steady-state and transient Raman gain coefficients of weakly-polar magnetoactive doped semiconductors. Materials Today: Proceedings, 2021, , .	0.9	0
9	Hot carrier effects on steady-state and transient Brillouin gain coefficients of semiconductor magneto-plasmas. Optik, 2021, 247, 167878.	1.4	4
10	Enhanced Raman gain coefficients of semiconductor magneto-plasmas. Optik, 2021, 248, 168183.	1.4	1
11	Enhanced Raman gain coefficients (under steady-state and transient regimes) of semiconductor magnetoplasmas. Pramana - Journal of Physics, 2021, 95, 1.	0.9	1
12	Nonlinear Optical Susceptibilities of a Piezoelectric Semiconductor Magneto-Plasma. Springer Proceedings in Physics, 2020, , 189-201.	0.1	5
13	Low threshold and high reflectivity of optical phase conjugate mode in transversely magnetized semiconductors. Optik, 2019, 184, 464-472.	1.4	14
14	Stimulated Raman scattering in weakly polar narrow band-gap magnetized semiconductors in the presence of hot carriers. Optical and Quantum Electronics, 2016, 48, 1.	1.5	9
15	Influence of Szigeti effective charge on coherent Raman scattering of laser radiation in magnetized direct gap semiconductors. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450024.	1.1	3
16	High reflectivity phase conjugation in magnetized diffusion driven semiconductors. European Physical Journal D, 2010, 57, 403-410.	0.6	3
17	Steady-state and transient Raman gain in magnetoactive narrow band-gap semiconductors. Optics and Laser Technology, 2010, 42, 202-207.	2.2	4
18	Generation of VLF Mode Instability by Generalized Distribution Function in the Presence of Parallel AC Electric Field in Uranus. Plasma Science and Technology, 2010, 12, 421-425.	0.7	0

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19	Structural characterization of Nd-doped in silica host matrix prepared by wet chemical process. Journal of Rare Earths, 2009, 27, 83-86.	2.5	5
20	Parametric dispersion and amplification in semiconductor plasmas: Effects of carrier heating. Optics and Laser Technology, 2009, 41, 64-69.	2.2	8
21	Effect of thermal annealing on Nd2O3-doped silica powder prepared by the solgel process. Journal of Sol-Gel Science and Technology, 2008, 46, 17-22.	1.1	23
22	Mechanism of phase conjugation via stimulated Brillouin scattering in narrow band gap semiconductors. Optics Communications, 2008, 281, 1251-1255.	1.0	12
23	Dependence on geometry of coherent Raman-scattered Stokes mode in weakly polar magnetized semiconductors. Physica B: Condensed Matter, 2008, 403, 3985-3989.	1.3	1
24	Nonlinear absorption and refractive index of Brillouin scattered mode in piezoelectric semiconductor plasmas by an applied magnetic field. Optics and Laser Technology, 2008, 40, 215-222.	2.2	10
25	Coherent Brillouin scattering in noncentrosymmetric semiconductors: bound and free charge carriers contribution. Journal of Modern Optics, 2008, 55, 1251-1265.	0.6	4
26	Enhancement of Second- and Third-Order Nonlinear Optical Susceptibilities in Magnetized Semiconductors. Chinese Physics Letters, 2008, 25, 3276-3279.	1.3	9
27	Synthesis and Characterization of Neodymium Oxide in Silica Matrix by Solgel Protocol Method. Research Letters in Physics, 2008, 2008, 1-4.	0.2	9
28	NONLINEAR OPTICAL PARAMETERS OF MAGNETOACTIVE SEMICONDUCTOR-PLASMAS. International Journal of Modern Physics B, 2008, 22, 3877-3887.	1.0	1
29	Phase conjugation in weakly piezoelectric magnetized semiconductor-plasmas. Journal of Modern Optics, 2008, 55, 931-945.	0.6	3
30	SIMPLIFIED MODELING OF STEADY-STATE AND TRANSIENT BRILLOUIN GAIN IN MAGNETOACTIVE NON-CENTROSYMMETRIC SEMICONDUCTORS. Modern Physics Letters B, 2007, 21, 603-614.	1.0	1
31	Steady-state and transient Brillouin gain in magnetoactive narrow band gap semiconductors. Semiconductor Science and Technology, 2007, 22, 749-754.	1.0	13
32	Stimulated Raman scattering in weakly polar transversely magnetized doped semiconductors. Physical Review B, 2007, 76, .	1.1	9
33	Stimulated Raman Scattering in a Weakly Polar III-V Semiconductor: Effect of dc Magnetic Field and Free Carrier Concentration. Chinese Physics Letters, 2007, 24, 2245-2248.	1.3	4
34	INFLUENCE OF PIEZOELECTRICITY AND MAGNETIC FIELD ON STIMULATED BRILLOUIN SCATTERING IN IIIâ€“V SEMICONDUCTORS. Journal of Nonlinear Optical Physics and Materials, 2006, 15, 465-479.	1.1	10
35	Raman amplification in magnetoactive doped III-V semiconductors. Journal of Optics (India), 0, , 1.	0.8	2
36	Hot carrier effects on Brillouin gain coefficients of magnetoactive doped semiconductors. Journal of Optics (India), 0, , 1.	0.8	2

#	Article	IF	Citations
37	Influence of piezoelectricity, doping and magnetostatic field on Brillouin amplification in compound (AIIIBV and AIIBVI) semiconductors. Journal of Nonlinear Optical Physics and Materials, 0, , .	1.1	3
38	Hot carrier effects on Brillouin amplification in semiconductor magneto-plasmas. Indian Journal of Physics, 0, , 1.	0.9	0
39	Steady-State and Transient Raman Gain Coefficients of Semiconductor Magneto-plasmas (Calculated) Tj ETQq1 1 0.784314 rgBT /Ov	0.7	0
40	Hot carrier effects on Brillouin amplification in AIIIBV and AIIBVI semiconductors. Journal of Modern Optics, 0, , 1-11.	0.6	1
41	Quantum effects on threshold and Brillouin gain characteristics of semiconductor magneto-plasmas. Journal of Optics (India), 0, , 1.	0.8	1
42	Quantum Effects on Modulational Amplification Characteristics of Semiconductor Magneto-Plasmas. Iranian Journal of Science and Technology, Transaction A: Science, 0, , .	0.7	1