

Manjeet Singh

List of Publications by Year in descending order

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83
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Effect of thermal annealing on Nd ₂ O ₃ -doped silica powder prepared by the solgel process. Journal of Sol-Gel Science and Technology, 2008, 46, 17-22. | 1.1 | 23 |
| 2 | Low threshold and high reflectivity of optical phase conjugate mode in transversely magnetized semiconductors. Optik, 2019, 184, 464-472. | 1.4 | 14 |
| 3 | Steady-state and transient Brillouin gain in magnetoactive narrow band gap semiconductors. Semiconductor Science and Technology, 2007, 22, 749-754. | 1.0 | 13 |
| 4 | Mechanism of phase conjugation via stimulated Brillouin scattering in narrow band gap semiconductors. Optics Communications, 2008, 281, 1251-1255. | 1.0 | 12 |
| 5 | INFLUENCE OF PIEZOELECTRICITY AND MAGNETIC FIELD ON STIMULATED BRILLOUIN SCATTERING IN III-V SEMICONDUCTORS. Journal of Nonlinear Optical Physics and Materials, 2006, 15, 465-479. | 1.1 | 10 |
| 6 | 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 |
| 7 | Stimulated Raman scattering in weakly polar transversely magnetized doped semiconductors. Physical Review B, 2007, 76, . | 1.1 | 9 |
| 8 | Enhancement of Second- and Third-Order Nonlinear Optical Susceptibilities in Magnetized Semiconductors. Chinese Physics Letters, 2008, 25, 3276-3279. | 1.3 | 9 |
| 9 | Synthesis and Characterization of Neodymium Oxide in Silica Matrix by Solgel Protocol Method. Research Letters in Physics, 2008, 2008, 1-4. | 0.2 | 9 |
| 10 | 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 |
| 11 | Parametric amplification of acoustical phonons in semiconductor magneto-plasmas: Quantum effects. Materials Today: Proceedings, 2022, 49, 1383-1389. | 0.9 | 9 |
| 12 | Parametric dispersion and amplification in semiconductor plasmas: Effects of carrier heating. Optics and Laser Technology, 2009, 41, 64-69. | 2.2 | 8 |
| 13 | 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 |
| 14 | Piezoelectric Contributions to Optical Parametric Amplification of Acoustical Phonons in Magnetized Doped III-V Semiconductors. Iranian Journal of Science and Technology, Transaction A: Science, 2021, 45, 373-382. | 0.7 | 5 |
| 15 | Nonlinear Optical Susceptibilities of a Piezoelectric Semiconductor Magneto-Plasma. Springer Proceedings in Physics, 2020, , 189-201. | 0.1 | 5 |
| 16 | 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 |
| 17 | Coherent Brillouin scattering in noncentrosymmetric semiconductors: bound and free charge carriers contribution. Journal of Modern Optics, 2008, 55, 1251-1265. | 0.6 | 4 |
| 18 | Steady-state and transient Raman gain in magnetoactive narrow band-gap semiconductors. Optics and Laser Technology, 2010, 42, 202-207. | 2.2 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | High Gain Coefficient Parametric Amplification of Optical Phonon Mode in Magnetized AIIIBV Semiconductor Plasmas. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 721-729. | 1.7 | 4 |
| 20 | Free and bound charge carriers dependent Raman susceptibilities in weakly-polar magnetoactive semiconductors. <i>Materials Today: Proceedings</i> , 2021, 46, 5844-5851. | 0.9 | 4 |
| 21 | Parametric oscillation of acoustical phonon mode in magnetized doped III-V semiconductors. <i>Journal of Optics (India)</i> , 2021, 50, 209-222. | 0.8 | 4 |
| 22 | Hot carrier effects on steady-state and transient Brillouin gain coefficients of semiconductor magneto-plasmas. <i>Optik</i> , 2021, 247, 167878. | 1.4 | 4 |
| 23 | Phase conjugation in weakly piezoelectric magnetized semiconductor-plasmas. <i>Journal of Modern Optics</i> , 2008, 55, 931-945. | 0.6 | 3 |
| 24 | High reflectivity phase conjugation in magnetized diffusion driven semiconductors. <i>European Physical Journal D</i> , 2010, 57, 403-410. | 0.6 | 3 |
| 25 | Influence of Sziget effective charge on coherent Raman scattering of laser radiation in magnetized direct gap semiconductors. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450024. | 1.1 | 3 |
| 26 | Influence of piezoelectricity, doping and magnetostatic field on Brillouin amplification in compound (AIIIBV and AIIIVI) semiconductors. <i>Journal of Nonlinear Optical Physics and Materials</i> , 0, , . | 1.1 | 3 |
| 27 | Raman amplification in magnetoactive doped III-V semiconductors. <i>Journal of Optics (India)</i> , 0, , 1. | 0.8 | 2 |
| 28 | Hot carrier effects on Brillouin gain coefficients of magnetoactive doped semiconductors. <i>Journal of Optics (India)</i> , 0, , 1. | 0.8 | 2 |
| 29 | SIMPLIFIED MODELING OF STEADY-STATE AND TRANSIENT BRILLOUIN GAIN IN MAGNETOACTIVE NON-CENTROSYMMETRIC SEMICONDUCTORS. <i>Modern Physics Letters B</i> , 2007, 21, 603-614. | 1.0 | 1 |
| 30 | Dependence on geometry of coherent Raman-scattered Stokes mode in weakly polar magnetized semiconductors. <i>Physica B: Condensed Matter</i> , 2008, 403, 3985-3989. | 1.3 | 1 |
| 31 | NONLINEAR OPTICAL PARAMETERS OF MAGNETOACTIVE SEMICONDUCTOR-PLASMAS. <i>International Journal of Modern Physics B</i> , 2008, 22, 3877-3887. | 1.0 | 1 |
| 32 | Enhanced Raman gain coefficients of semiconductor magneto-plasmas. <i>Optik</i> , 2021, 248, 168183. | 1.4 | 1 |
| 33 | Enhanced Raman gain coefficients (under steady-state and transient regimes) of semiconductor magnetoplasmas. <i>Pramana - Journal of Physics</i> , 2021, 95, 1. | 0.9 | 1 |
| 34 | Hot carrier effects on Brillouin amplification in AIIIBV and AIIIVI semiconductors. <i>Journal of Modern Optics</i> , 0, , 1-11. | 0.6 | 1 |
| 35 | Quantum effects on threshold and Brillouin gain characteristics of semiconductor magneto-plasmas. <i>Journal of Optics (India)</i> , 0, , 1. | 0.8 | 1 |
| 36 | Hot carrier effects on Brillouin susceptibilities of semiconductor magnetoplasmas. <i>Pramana - Journal of Physics</i> , 2022, 96, 1. | 0.9 | 1 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Quantum Effects on Modulational Amplification Characteristics of Semiconductor Magneto-Plasmas. Iranian Journal of Science and Technology, Transaction A: Science, 0, , . | 0.7 | 1 |
| 38 | 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 |
| 39 | Steady-state and transient Raman gain coefficients of weakly-polar magnetoactive doped semiconductors. Materials Today: Proceedings, 2021, , . | 0.9 | 0 |
| 40 | Hot carrier effects on Brillouin amplification in semiconductor magneto-plasmas. Indian Journal of Physics, 0, , 1. | 0.9 | 0 |
| 41 | Steady-State and Transient Raman Gain Coefficients of Semiconductor Magneto-plasmas (Calculated) Tj ETQq1 1 0,784314 rgBT /Over | 0.7 | 0 |
| 42 | Enhanced Raman gain coefficients of semiconductor magneto-plasmas. Applied Physics A: Materials Science and Processing, 2022, 128, 1. | 1.1 | 0 |