

# Gour S Pati

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

331  
citations

1307594

7  
h-index

1199594

12  
g-index

20  
all docs

20  
docs citations

20  
times ranked

245  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Nonlinear Optical Interactions of Ultralow Levels of Light in a Tapered Optical Nanofiber Embedded in a Hot Rubidium Vapor. <i>Physical Review Letters</i> , 2008, 100, 233602.	7.8	121
2	Demonstration of displacementâ€“measurementâ€“sensitivity proportional to inverse group index of intra-cavity medium in a ring resonator. <i>Optics Communications</i> , 2008, 281, 4931-4935.	2.1	51
3	Fast-light in a photorefractive crystal for gravitational wave detection. <i>Optics Express</i> , 2008, 16, 20448.	3.4	34
4	Demonstration of Ramanâ€“Ramsey fringes using time delayed optical pulses in rubidium vapor. <i>Optics Communications</i> , 2008, 281, 4676-4680.	2.1	30
5	Simultaneous slow and fast light effects using probe gain and pump depletion via Raman gain in atomic vapor. <i>Optics Express</i> , 2009, 17, 8775.	3.4	27
6	Experimental and theoretical comparison of different optical excitation schemes for a compact coherent population trapping Rb vapor clock. <i>Metrologia</i> , 2017, 54, 418-431.	1.2	23
7	Observation of query pulse length dependent Ramsey interference in rubidium vapor using pulsed Raman excitation. <i>Optics Express</i> , 2011, 19, 22388.	3.4	8
8	Magnetic Field Measurement Using Peak-Locked Zeeman Coherent Population Trapping Resonance in Rubidium Vapor. <i>IEEE Photonics Journal</i> , 2019, 11, 1-10.	2.0	7
9	Synchronous coherent population trapping and its magnetic spectral response in rubidium vapor. <i>Physical Review A</i> , 2021, 104, .	2.5	7
10	Magneto-optical resonances in fluorescence from sodium D <sub>2</sub> manifold. <i>Optics Express</i> , 2020, 28, 1114.	3.4	7
11	Light-ellipticity and polarization-angle dependence of magnetic resonances in rubidium vapor using amplitude-modulated light: Theoretical and experimental investigations. <i>Physical Review A</i> , 2020, 102, .	2.5	5
12	Magnetometry using sodium fluorescence with synchronous modulation of two-photon resonant light fields. <i>Applied Physics Letters</i> , 2020, 117, 214002.	3.3	5
13	Optical Ramsey interference and its performance in D1 line excitation in rubidium vapor for implementation of a vapor cell clock. , 2011, , .		4
14	Prospect for development of a pulsed CPT Raman Ramsey clock using atomic vapor. , 2010, , .		2
15	Single Peaked Optical Ramsey Interference with Repeated Query Interrogation. , 2017, , .		0
16	High Sensitivity CPT and Pulsed CPT based Axial Magnetic Field Measurements. , 2018, , .		0
17	Optical Magnetometry using Fluorescence Resonance in Sodium D2 Manifold. , 2019, , .		0
18	Intensity Correlation Measurement for Detecting Magneto-Optical Resonance at High Field. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Magnetic Resonance using Synchronous Coherent Population Trapping Spectroscopy. , 2020, , .		0
20	Magnetic Resonance Studies in Sodium D1 Fluorescence with Modulated CPT Light Fields. , 2020, , .		0