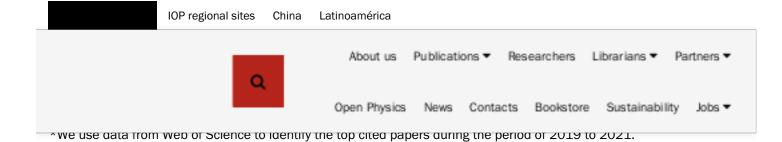




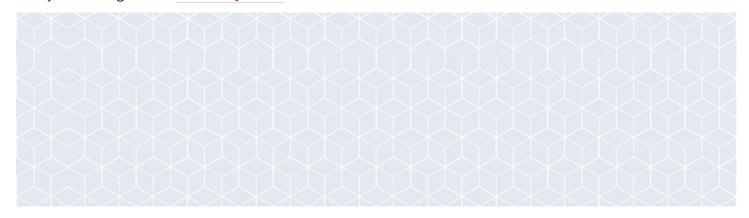
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Astronomy and Astrophysics

Corresponding Author	Affiliation	Journal	Link to Paper
Rahul Kumar	Centre for Theoretical Physics, Jamia Millia Islamia	ASTROPHYSICAL JOURNAL	Black Hole Parameter Estimation from Its Shadow
Sushant G Ghosh and Rahul Kumar	Jamia Millia Islamia	CLASSICAL AND QUANTUM GRAVITY	Generating black holes in 4D Einstein-Gauss-Bonnet gravity
Shafqat UI Islam	Jamia Millia Islamia Centre for Theoretical Physics	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	Gravitational lensing by black holes in the 4D Einstein-Gauss-Bonnet gravity
Rahul Kumar	Jamia Millia Islamia Centre for Theoretical Physics	JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS	Rotating black holes in 4D Einstein-Gauss-Bonnet gravity and its shadow

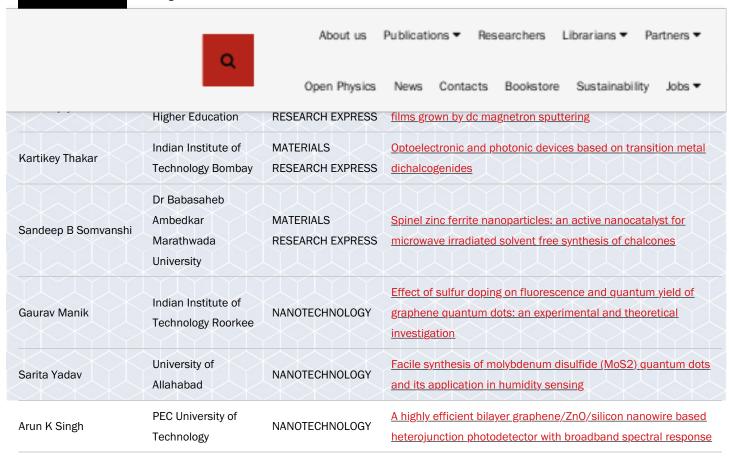
Biosciences

Corresponding Author	Affiliation	Journal	Link to Paper
Biman B Mandal	Indian Institute of Technology Guwahati	BIOFABRICATION	A three-dimensional printed silk-based biomimetic tri-layered meniscus for potential patient-specific implantation

Environmental Sciences

Corresponding Author	Affiliation	Journal	Link to Paper
Jayanarayanan	Indian Institute of	ENVIRONMENTAL	Observed rainfall changes in the past century (1901-2019) over
Kuttippurath	Technology Kharagpur	RESEARCH LETTERS	the wettest place on Earth

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*	Science	$\langle \times \rangle \times$	engineering for neuromorphic computing	
Subrat Kumar Jena	National Institute of Technology Rourkela	MATERIALS RESEARCH EXPRESS	A novel fractional nonlocal model and its application in buckling analysis of Euler-Bernoulli nanobeam	
Shobhit K Patel	Faculty of Engineering,	MATERIALS RESEARCH EXPRESS	Broadband metasurface solar absorber in the visible and near-infrared region	
V B Taxak	Maharshi Dayanand University Rohtak	MATERIALS RESEARCH EXPRESS	Crystal structure and photophysical features of greenish perovskite type SrLa ₂ Al ₂ O ₇ :Er ³⁺ nanocrystals for down conversion white LEDs	
Akarsh Verma	Indian Institute of Technology, Roorkee	MATERIALS RESEARCH EXPRESS	Dynamic Mechanical Analysis and Creep-recovery behaviour of Polyvinyl Alcohol based cross-linked Biocomposite reinforced with Basalt fiber	
Prof. (Dr.) Sanjeev Kumar	Sri Guru Granth Sahib World University	MATERIALS RESEARCH EXPRESS	Expanding horizon: green synthesis of TiO ₂ nanoparticles using Carica papaya leaves for photocatalysis application	
R. Chandiramouli	Shanmugha Arts Science Technology and Research Academy	MATERIALS RESEARCH EXPRESS	Germanene nanosheets as a novel anode material for sodium- ion batteries-a first-principles investigation	
V Mohanavel	Kingston Engineering College	MATERIALS RESEARCH EXPRESS	Influence of AIN particles on microstructure, mechanical and tribological behaviour in AA6351 aluminum alloy	
B Stalin	Anna University, Regional Campus Madurai	MATERIALS RESEARCH EXPRESS	Optimization of powder metallurgy parameters to obtain low corrosion rate and high compressive strength in Al-MoO ₃ composites using SN ratio and ANOVA analysis	
B Stalin	Anna University, Regional Campus Madurai	MATERIALS RESEARCH EXPRESS	Optimization of wear parameters using Taguchi grey relational analysis and ANN-TLBO algorithm for silicon nitride filled AA6063 matrix composites	
A Radha	Loyola College	MATERIALS RESEARCH EXPRESS	Processing and characterization of mechanical and wear behavior of Al7075 reinforced with B ₄ C and nano graphene hybrid composite	
Asif Afzal	PA College of Engineering	MATERIALS RESEARCH EXPRESS	Role of ultrasonication duration and surfactant on characteristics of ZnO and CuO nanofluids	
S A Martin Britto Dhas	Sacred Heart College	MATERIALS RESEARCH EXPRESS	Structural, optical, and morphological stability of ZnO nano rods under shock wave loading conditions	
S Manoharan	SSM College of	MATERIALS	Synergistic effect of red mud-iron sulfide particles on fade- recovery characteristics of non-asbestos organic brake friction	



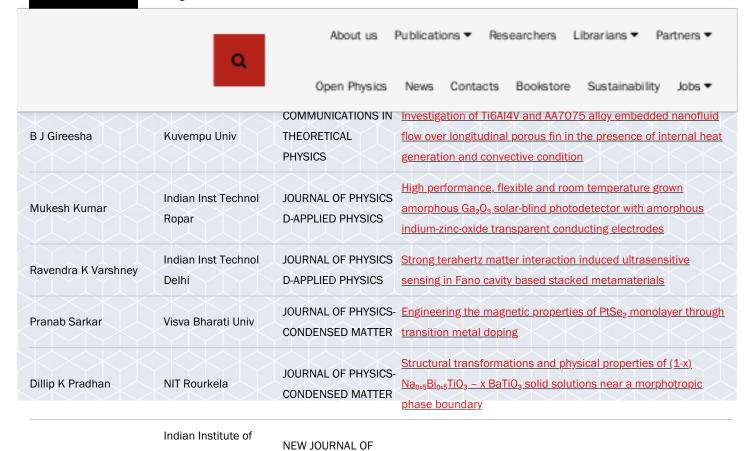
Mathematical Sciences

Corresponding Author	Affiliation	Journal	Link to Paper
Avinash Khare	Savitribai Phule Pune University	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	Family of potentials with power law kink tails
G P Samanta	Indian Institute of Engineering Science and Technology	JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL	Dynamics of a delayed predator-prey interaction incorporating nonlinear prey refuge under the influence of fear effect and additional food
Prashant Singh	International Centre for Theoretical Sciences,TIFR	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT	Generalised 'Arcsine' laws for run-and-tumble particle in one dimension
Deepak Gupta	Raman Research Institute, Bangalore	JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT	Stochastic resetting in underdamped Brownian motion

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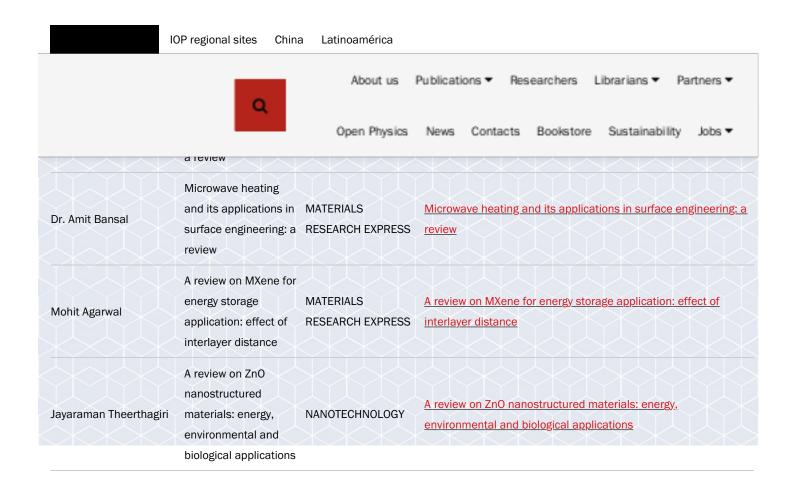


Delay regulated explosive synchronization in multiplex networks

Reviews

Sarika Jalan

Corresponding Author	Affiliation	Journal	Link to Paper
Prasansha Rastogi	Defence Institute of Advanced Technology	BIOFABRICATION	Review of alginate-based hydrogel bioprinting for application in tissue engineering
Hardik J Pandya	Indian Institute of Science	JOURNAL OF BREATH RESEARCH	Electronic nose: a non-invasive technology for breath analysis of diabetes and lung cancer patients
Neeraj Khare	Indian Institute of Technology Delhi	JOURNAL OF PHYSICS D-APPLIED PHYSICS	Advances in resistive switching based memory devices
Ananya Ghatak	Indian Institute of Science	JOURNAL OF PHYSICS- CONDENSED MATTER	New topological invariants in non-Hermitian systems
Amit Kumar Mandal	Biosynthesis of silver nanoparticles and their versatile	MATERIALS	Biosynthesis of silver nanoparticles and their versatile



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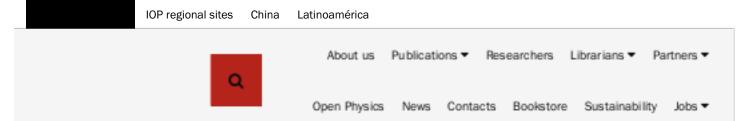
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