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June 2026**



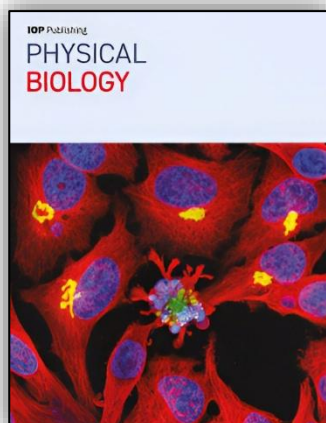
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BIOLOGY

Journal Articles



Author(s): ANAND, VAIBHAV; Jolly, Mohit Kumar; Levine, Herbert

Title: Ecological dynamics of pro-tumor and anti-tumor teams in the tumor microenvironment

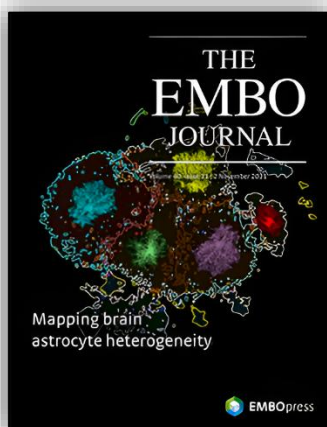
Citation: Physical Biology, 23(03).

Publisher: IOP Publishing

URI: <https://doi.org/10.1088/1478-3975/ae6c84>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11317>

Publication Date: 2026-06



Author(s): Bennison, Daniel J.; CHAUDHARY, ISHAAN et al.

Title: GBP1 recruitment to actin-rich pedestals of extracellular Gram-negative bacteria promotes pyroptosis

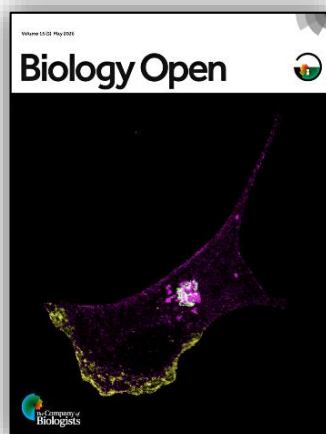
Citation: EMBO Journal

Publisher: Springer Nature

URI: <https://doi.org/10.1038/s44318-026-00830-z>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11310>

Publication Date: 2026-06



Author(s): JOSHI, PRACHI; SAHA, ARNAV; MALAVIYA, RADHIKA

Title: First person - Prachi Joshi, Arnav Saha and Radhika Malaviya

Citation: Biology Open, 15(5).

Publisher: The Company of Biologists

URI: <https://doi.org/10.1242/bio.062647>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11288>

Publication Date: 2026-05

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Author(s): JOSHI, PRACHI; SAHA, ARNAV; MALAVIYA, RADHIKA; PANDA, DEBIPRASAD; MEHTA, GRISHMA; PATTANAYAK, MANOJEET; SINGH, VIBHA; BALASUBRAMANIAN, NAGARAJ

Title: AXL receptor tyrosine kinase regulates Golgi organization and function via an adhesion-Arf1 signalling axis in breast and lung cancer cell lines

Citation: Biology Open, 15(5).

Publisher: The Company of Biologists

URI: <https://doi.org/10.1242/bio.062581>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11287>

Publication Date: 2026-05



Author(s): MITRA, DEBASMITA; Goddard, Georgina K.; S., SANJANA; K., APARNA; Millard, Tom H.; RIKHY, RICHA

Title: MIM triggers formin to Arp2/3-based actin assembly in membrane remodeling in Drosophila embryos

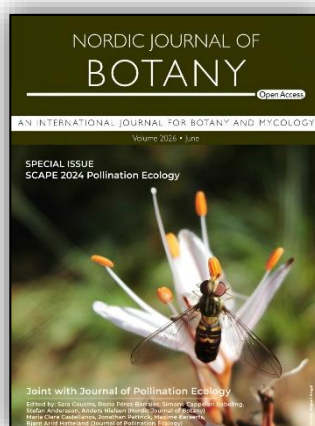
Citation: Journal of Cell Biology, 225(04).

Publisher: Rockefeller University Press

URI: <https://doi.org/10.1083/jcb.202502184>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11305>

Publication Date: 2026-04



Author(s): NERLEKAR, ASHISH N.; Kambale, Sharad Suresh

Title: Canscora agni (Gentianaceae), a new species from the fire-prone Indian savannas

Citation: Nordic Journal of Botany

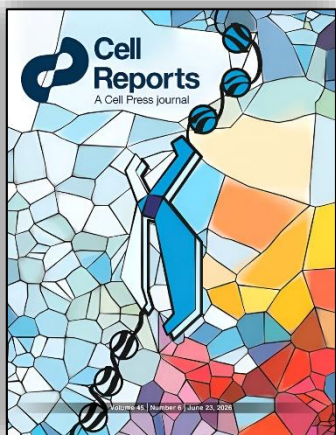
Publisher: Wiley

URI: <https://doi.org/10.1002/njb.05213>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11328>

Publication Date: 2026-06

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Author(s): Petroccione, Maurice A.; Melone, Marcello; Rathwell, Travis J.; DWIVEDI, NAMIT; Grienberger, Christine; Conti, Fiorenzo; Scimemi, Annalisa

Title: An unsuspected physiological role for mGluRIII glutamate receptors in hippocampal area CA1

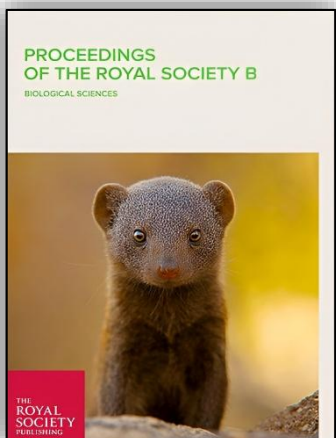
Citation: Cell Reports, 45(06), 117388.

Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.celrep.2026.117388>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11289>

Publication Date: 2026-06



Author(s): PHANIRAJ, NIKHIL; Wierucka, Kaja; Burkart, Judith M.

Title: Dynamic vocal learning in adult marmoset monkeys

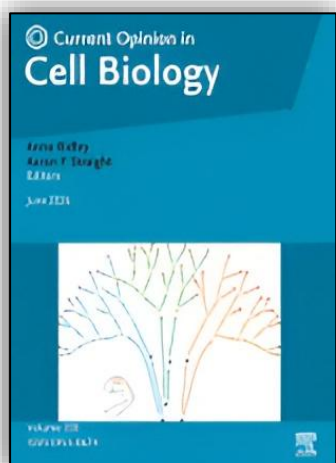
Citation: Proceedings of the Royal Society B- Biological sciences, 293(2072).

Publisher: The Royal Society

URI: <https://doi.org/10.1098/rspb.2026.0743>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11315>

Publication Date: 2026-05



Author(s): SAHARAN, OJAL; PAL, TATHAGATA; KAMAT, SIDDHESH S.

Title: Signaling lipids: An overview of emerging physiological functions

Citation: Current Opinion in Cell Biology

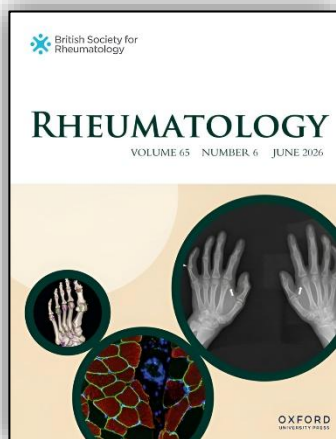
Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.ceb.2026.102654>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11266>

Publication Date: 2026-08

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Author(s): Saptarshi, Ruchil; GOEL, PRANAY et al.

Title: Detecting inflammatory arthritis in hand smartphone photographs: development and validation of a computer vision model in clinical settings

Citation: Rheumatology, 65(06).

Publisher: Oxford University Press

URI: <https://doi.org/10.1093/rheumatology/keag287>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11333>

Publication Date: 2026-06



Author(s): Save, Shreyada N.; PARVEEN, NIKHAT; Sonis, Ganesh; Chavan, Sanskriti; CHUGH, JEETENDER; Sharma, Shilpy

Title: Preconditioning and supplementation with glutathione ameliorates oxidative stress, mitochondrial dysfunction, and restores metabolic imbalance in insulin-resistant myotubes

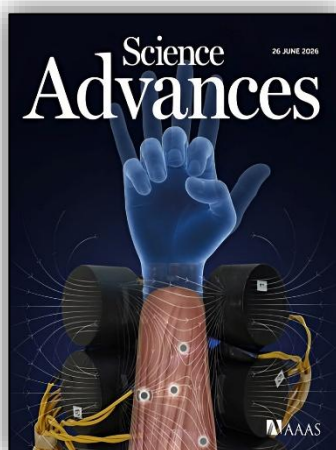
Citation: Biochemical and Biophysical Research Communications, 826, 153997.

Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.bbrc.2026.153997>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11276>

Publication Date: 2026-08



Author(s): Silva, Severino Jefferson Ribeiro da; KALE, TANVI; ATHALE, CHAITANYA A. et al.

Title: International multisite implementation of distributed cell-free protein biomanufacturing to advance health and research equity

Citation: Science Advances, 12(22).

Publisher: American Association for the Advancement of Science

URI: <https://doi.org/10.1126/sciadv.aeb7039>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11290>

Publication Date: 2026-05

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Author(s): Teoh, Andrew; Arinjay, Mishra; GIRI, DWAIPAYAN; Phua, Siew Cheng

Title: Primary cilia and neural computation

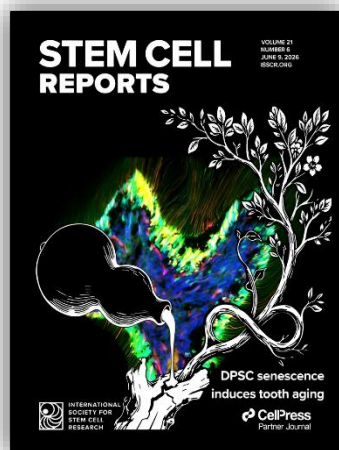
Citation: Journal of Biomedical Science, 33, 59.

Publisher: Springer Nature

URI: <https://doi.org/10.1186/s12929-026-01264-9>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11277>

Publication Date: 2026-06



Author(s): VERMA, RAHUL KUMAR; BHINGARE, ATHARVA; DUBAL, DNYANESH; RIKHY, RICHA

Title: Electron transport chain complex I and mitochondrial fusion regulate ROS for differentiation in Drosophila neural stem cells

Citation: Stem Cell Reports

Publisher: Elsevier B.V.

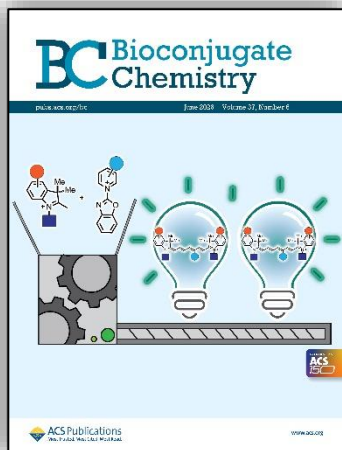
URI: <https://doi.org/10.1016/j.stemcr.2026.102951>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11304>

Publication Date: 2026-06

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CHEMISTRY



Author(s): KHYADE, ASHWINI R.; SANDANARAJ, BRITTO S.

Title: Directed Chemical Evolution of Self-Assembling Artificial Proteins Utilizing a Supramolecular System

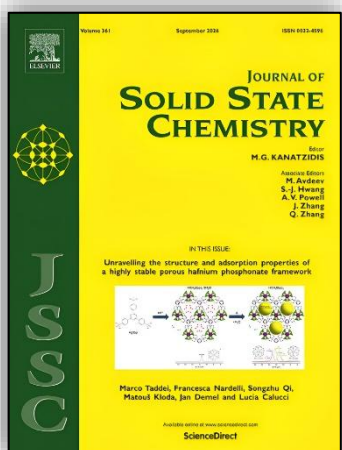
Citation: Bioconjugate Chemistry

Publisher: American Chemical Society

URI: <https://doi.org/10.1021/acs.bioconjchem.6c00090>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11242>

Publication Date: 2026-05



Author(s): Borgohain, Karabi Kanchan; DAS, UJJAL; Dehingia, Anurag; Dutta, Rishiraj; Patra, Snigdha; Roy, Asim

Title: Tuning the memory and synaptic functions through rational halide-alloying in $\text{Cs}_3\text{Bi}_2\text{I}_9$ dimer-type perovskite-based memristor

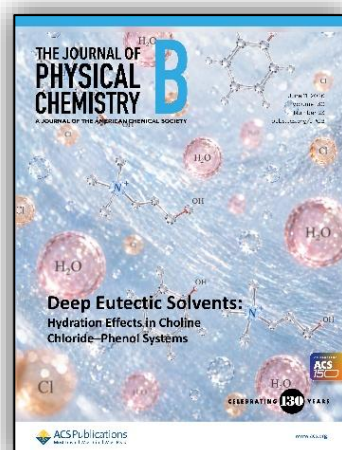
Citation: Journal of Solid State Chemistry, 362, 126139.

Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.jssc.2026.126139>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11299>

Publication Date: 2026-10



Author(s): CHAUDHARY, SACHIN; Tammara, Vaishnavi; Choudhary, Bhargavi; Das, Atanu

Title: Early α -Synuclein Heterodimerization Kinetics Predict Parkinson's Disease Onset

Citation: Journal of Physical Chemistry B, 130(23), 5851–5862.

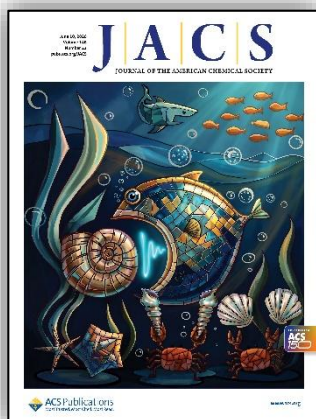
Publisher: American Chemical Society

URI: <https://doi.org/10.1021/acs.jpcc.6c00859>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11286>

Publication Date: 2026-06

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Author(s): GHOSH, MOUSHAKHI; TANWAR, RITEEKA; PANWARIA, PRAKASH; CHATTERJEE, ABHIJIT; PANDAY, RISHUKUMAR; AKHTAR, RUKSANA; Venugopal, Geethu; MANDAL, PANKAJ; KHAN, SHABANA

Title: Harnessing Strong Chiroptical Nonlinearity in Carbene-Copper-Amides through Center-Specific Chirality: An Approach to Amplified Dissymmetry

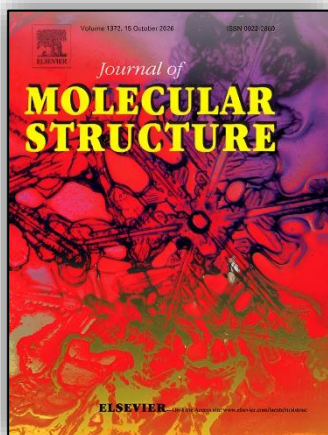
Citation: Journal of the American Chemical Society, 148(22A), 23238-23253.

Publisher: American Chemical Society

URI: <https://doi.org/10.1021/jacs.6c06543>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11316>

Publication Date: 2026-06



Author(s): Kate, Anup N.; Kadam, Shivaji S.; Said, Prasanna R.; PANDAY, RISHUKUMAR; Butcher, Raymond J.; Kumbhar, Anupa A.

Title: Single crystal X-ray structures and photophysical properties of three anthracene derivatives

Citation: Journal of Molecular Structure

Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.molstruc.2026.146810>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11330>

Publication Date: 2026-11



Author(s): Kotia, Naveeta; THAKUR, ATIN; Sinha, Reshma

Title: Toxicological impacts of persistent organic pollutants on avian physiology: A scientometric and systematic analysis

Citation: Avian Research, 17(03), 100391.

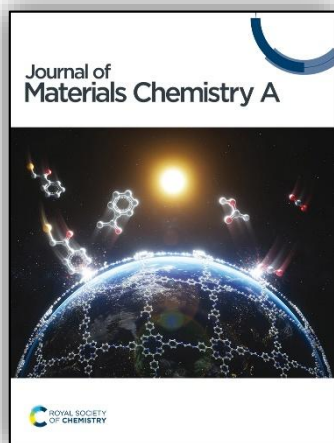
Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.avrs.2026.100391>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11278>

Publication Date: 2026-09

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Author(s): KUSHWAHA, VIKASH; SAWANT, DARSHAN YUVRAJ; KIRANA, ANTONYSYLVESTER; MAHATO, SUBHAM KUMAR; Zaręba, Jan K.; BOOMISHANKAR, RAMAMOORTHY

Title: Angular strain-induced polarization in a ferroelectric ammonium cyclic phosphate and its wind speed sensing application

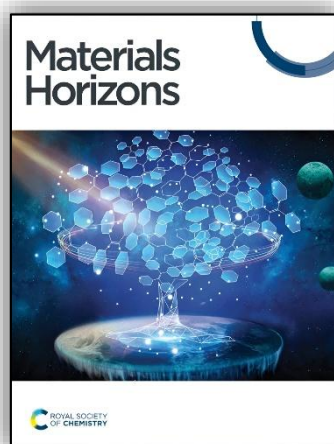
Citation: Journal of Materials Chemistry A

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D6TA02217K>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11309>

Publication Date: 2026-06



Author(s): MAITY, SUDIP; DAM, GOURAB K.; RASAILY, SAGARMANI; Parmar, Saurabh Vinod; ROY, ANIRBAN; Avasare, Vidya; GHOSH, SUJIT K.

Title: A threefold approach to boost photo-harvesting efficiency in covalent organic frameworks via strategic N-centre regulation

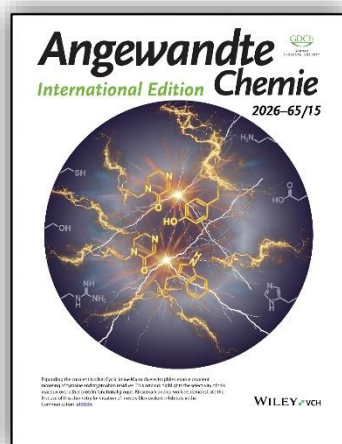
Citation: Materials Horizons

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D6MH00687F>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11320>

Publication Date: 2026-06



Author(s): MAJUMDER, DIPANJAN; SARKAR, NAYAN; Torris, Arun; Shirolkar, Mandar M.; CHATTERJEE, SUKALYAN; MALAKAR, AVIJIT; GHOSH, DIPAYAN; GHOSH, SUJIT K.

Title: Hierarchically Porous Multivariate COF Aerogel With Enhanced Diffusibility and Tailored Functionality for Highly Efficient Bromine Sequestration

Citation: Angewandte Chemie International Edition

Publisher: Wiley

URI: <https://doi.org/10.1002/anie.3007492>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11273>

Publication Date: 2026-05

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Author(s): MENDHE, RAHUL MAHADEO; DARGILY, NEETHU CHRISTUDAS; Kottaichamy, Alagar Raja; DUTT, SHIFALI; Sk, Mukaddar; Kotresh, Harish Makri Nimbegondi; THOTIYL, MUSTHAFA OTTAKAM

Title: Mechanical Gating of Redox Access in Molecular Electrocatalysis

Citation: Journal of the American Chemical Society

Publisher: American Chemical Society

URI: <https://doi.org/10.1021/jacs.6c02632>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11335>

Publication Date: 2026-06



Author(s): Mukherjee, Triya; Kopperi, Harishankar; Kumari, Poonam; Javvadi, Yamini; Katakajwala, Ranaprathap; Mohan, S. Venkata; SIVARAM, SWAMINATHAN

Title: India's ammonia industry: balancing growth with sustainability

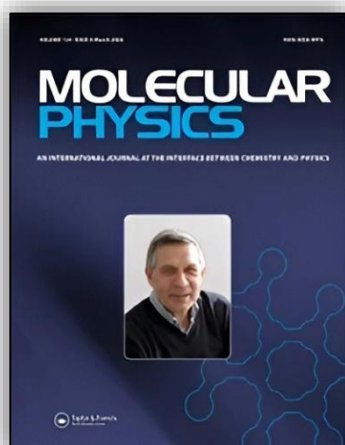
Citation: RSC Sustainability

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D5SU00936G>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11267>

Publication Date: 2026-05



Author(s): Patil, Sunil R.; Singh, Reman Kumar; MUKHERJEE, ARNAB

Title: Intercalator-dependent modulation of charge transport in DNA

Citation: Molecular Physics

Publisher: Taylor & Francis

URI: <https://doi.org/10.1080/00268976.2026.2672032>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11272>

Publication Date: 2026-05

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Author(s): RASAILY, SAGARMANI; DAM, GOURAB K.; GHOSH, SUJIT K.

Title: Advanced functional porous materials for photocatalytic H₂O₂ production

Citation: Chemical Science

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D6SC01670G>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11265>

Publication Date: 2026-05



Author(s): ROY, SUMIT; TYAGI, SHREYA; PILLAI, PRAMOD P.

Title: Kinetically programmed pathway-dependent autonomous reversibility in biomimetic self-assembly of nanoparticles

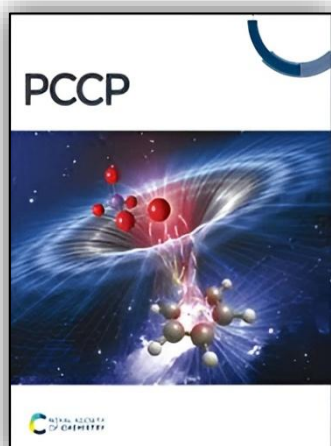
Citation: Chemical Science

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D6SC01862A>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11332>

Publication Date: 2026-06



Author(s): ROY, SUPRAVAT; MANDAL, SOURAV; DAS, ALOKE

Title: Correlating NMR H/D exchange kinetics with IR red shifts: towards a comprehensive scale for intermolecular hydrogen bond strength

Citation: Physical Chemistry Chemical Physics

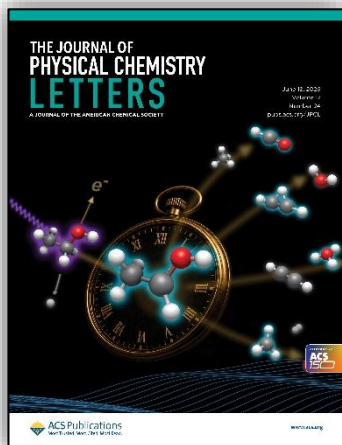
Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D6CP00710D>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11318>

Publication Date: 2026-06

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Author(s): ROY, SUPRAVAT; MANDAL, SOURAV; DAS, ALOKE

Title: Intrinsic Folding Motifs versus Solvent Effects: Secondary Structures of the Gly-DPro-Ala Tripeptide

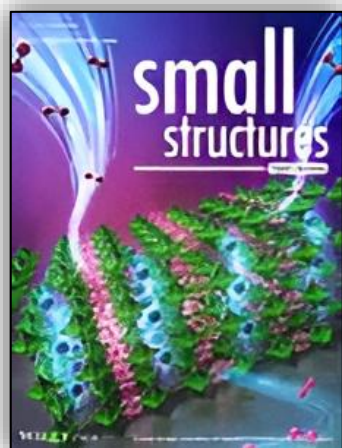
Citation: Journal of Physical Chemistry Letters, 17(24), 6706-6714.

Publisher: American Chemical Society

URI: <https://doi.org/10.1021/acs.jpcllett.6c01181>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11329>

Publication Date: 2026-06



Author(s): Samanta, Ranita; PANDAY, RISHUKUMAR; Ludovisi Giulia; BOOMISHANKAR, RAMAMOORTHY; Cortecchia, Daniele

Title: Perspective on Ferroelectric and Nonferroelectric Low-Dimensional Metal Halide Perovskites for Memristor Technology

Citation: *Small Structures*, 7(06).

Publisher: Wiley

URI: <https://doi.org/10.1002/ssstr.70505>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11323>

Publication Date: 2026-06



Author(s): Save, Shreyada N.; PARVEEN, NIKHAT; Sonis, Ganesh; Chavan, Sanskriti; CHUGH, JEETENDER; Sharma, Shilpy

Title: Preconditioning and supplementation with glutathione ameliorates oxidative stress, mitochondrial dysfunction, and restores metabolic imbalance in insulin-resistant myotubes

Citation: Biochemical and Biophysical Research Communications, 826, 153997.

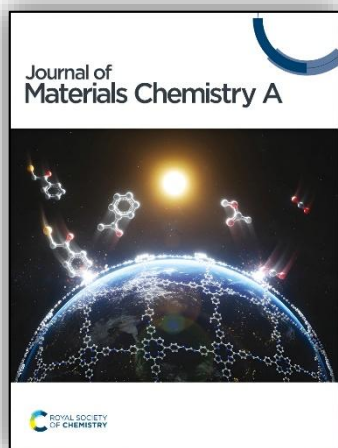
Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.bbrc.2026.153997>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11276>

Publication Date: 2026-08

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Author(s): UGALE, AJAY; PATIL, ABHIJEET; SAHA, SAUVIK; CAMELLUS R B, AUGASTUS; SHARMA, MUKUL; YADAV, VIKASH; BALLAV, NIRMALYA

Title: Porosity-driven electrochemical divergence in structurally polymorphic 2D metal-organic frameworks for lithium-ion storage

Citation: Journal of Materials Chemistry A

Publisher: Royal Society of Chemistry

URI: <https://doi.org/10.1039/D5TA09132B>

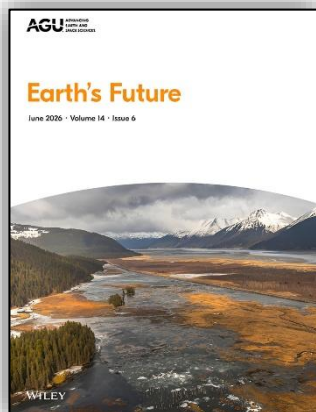
DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11281>

Publication Date: 2026-05

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EARTH AND CLIMATE SCIENCE

Journal Article



Author(s): Warriar, Rekha; Keys, Patrick; SEN, DEVOSMITA; Boone, Randall B.; Galvin, Kathleen; Kehbila, Anderson G.; Oeba, Vincent O.

Title: Near-Term Climate Change Impacts on Kenyan Tree Cover

Citation: Earth's Future, 14(06).

Publisher: Wiley

URI: <https://doi.org/10.1029/2025EF006647>

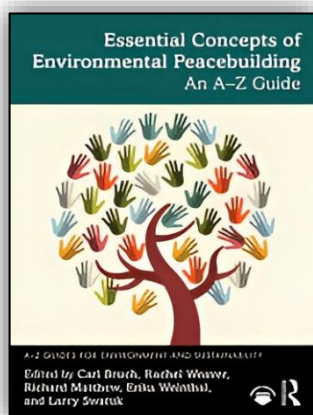
DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11300>

Publication Date: 2026-06

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HUMANITIES AND SOCIAL SCIENCES

Book chapter



Author(s): Swatuk, L. A.; Wirkus, L.; Krampe, F.; THOMAS, BEJOY K.; Silva, L.P.B. da

Title: Boomerang Effect

Citation: Essential Concepts of Environmental Peacebuilding An A-Z Guide, 35-36.

Publisher: Routledge

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11293>

Publication Date: 2026-06

Journal Article

**Journal of
Political Ecology**

Author(s): ROY, AKASHDEEP; SHARMA, SHALINI

Title: Elephant taking the lion's share: Political ecology of elephant conservation and human-elephant conflict in Eastern India

Citation: Journal of Political Ecology, 33(01).

Publisher: University of Arizona Libraries

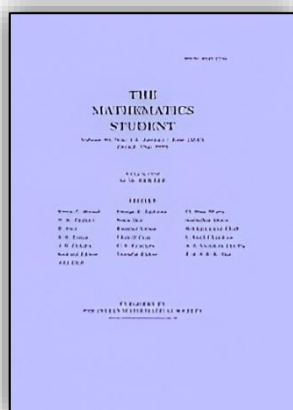
URI: <https://doi.org/10.2458/jpe.6435>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11327>

Publication Date: 2026-06

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Journal Articles



Author(s): Aithal, A. R.; CHORWADWALA, ANISA

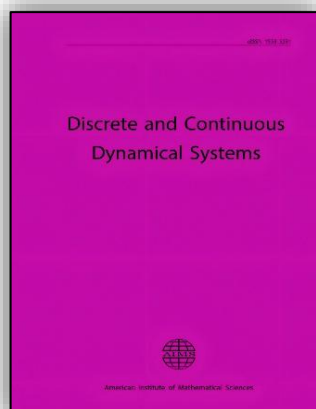
Title: Convex Polygons and the Isoperimetric Problem in Simply Connected Space Forms

Citation: Mathematics Student, 95, 1-2.

Publisher: Indian Mathematical Society

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11312>

Publication Date: 2026-06



Author(s): BHAKTA, MOUSOMI; BISWAS, NIRJAN; DAS, PARAMANANDA

Title: Quasilinear Problems with Mixed Local-Nonlocal Operator and Concave-Critical Nonlinearities: Multiplicity of Positive Solutions

Citation: Discrete and Continuous Dynamical Systems

Publisher: American Institute of Mathematical Sciences

URI: <https://doi.org/10.3934/dcds.2026098>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11324>

Publication Date: 2026-05



Author(s): GAIKWAD, AJINKYA

Title: On the parameterized complexity of s-club cluster edge deletion

Citation: Journal of Computer and System Sciences

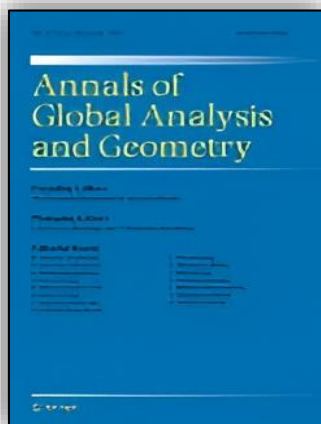
Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.jcss.2026.103820>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11313>

Publication Date: 2026-11

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Author(s): SOMPURKAR, RAJAS SANDEEP

Title: Existence of conical higher cscK metrics on a minimal ruled surface

Citation: Annals of Global Analysis and Geometry, 69, 21.

Publisher: Springer Nature

URI: <https://doi.org/10.1007/s10455-026-10046-3>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11284>

Publication Date: 2026-05

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PHYSICS

Journal Articles



Author(s): ANSARI, ARHUM; JAIN, SACHIN; K. S., DHRUVA

Title: AdS_4 boundary Wightman functions in twistor space: factorization, conformal blocks and a double copy

Citation: Journal of High Energy Physics, 2026(06), 24.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP06\(2026\)024](https://doi.org/10.1007/JHEP06(2026)024)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11275>

Publication Date: 2026-06



Author(s): BALA, ASWINI; JAIN, SACHIN; K. S., DHRUVA; MAZUMDAR, DEEP; SINGH, VIBHOR; THAKKAR, BRIJESH

Title: A supertwistor formalism for $N = 1, 2, 3, 4$ SCFT₃

Citation: Journal of High Energy Physics, 2026(05), 288.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)288](https://doi.org/10.1007/JHEP05(2026)288)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11322>

Publication Date: 2026-05



Author(s): Chandra, A. Ramesh; MUKHI, SUNIL; Singh, Palash

Title: Generalised 4d partition functions and modular differential equations

Citation: Journal of High Energy Physics, 2026(06), 211.

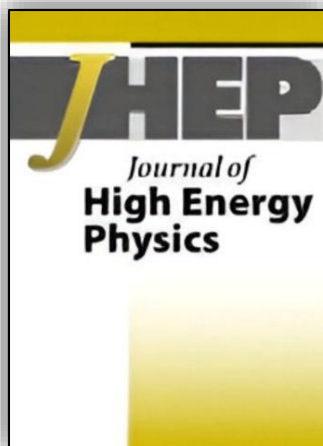
Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP06\(2026\)211](https://doi.org/10.1007/JHEP06(2026)211)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11334>

Publication Date: 2026-06

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Author(s): CMS Collaboration; Chekhovsky, V.; ACHARYA, S.; ALPANA, A.; DUBE, SOURABH; GOMBER, B.; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SAHU, B.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Measurement of the dineutrino system kinematic variables in dileptonic top quark pair production in proton-proton collisions at $\sqrt{s} = 13.6$ TeV

Citation: Journal of High Energy Physics, 2026(05), 175.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)175](https://doi.org/10.1007/JHEP05(2026)175)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11271>

Publication Date: 2026-05



Author(s): CMS Collaboration; Chekhovsky, V.; ACHARYA, S.; ALPANA, A.; DUBE, SOURABH; GOMBER, B.; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SAHU, B.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Exploring small-angle emissions in charm quark jets in proton-proton collisions at $\sqrt{s} = 5.02$ TeV

Citation: Journal of High Energy Physics, 2026(05), 176.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)176](https://doi.org/10.1007/JHEP05(2026)176)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11302>

Publication Date: 2026-05



Author(s): CMS Collaboration; Chekhovsky, V.; ACHARYA, S.; ALPANA, A.; DUBE, SOURABH; GOMBER, B.; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SAHU, B.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Search for dark matter production in association with bottom quarks and a lepton pair in proton-proton collisions at $\sqrt{s} = 13$ TeV

Citation: Journal of High Energy Physics, 2026(06), 14.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP06\(2026\)014](https://doi.org/10.1007/JHEP06(2026)014)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11337>

Publication Date: 2026-06

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Author(s): CMS Collaboration; Hayrapetyan, A.; ACHARYA, S.; ALPANA, A.; DUBE, SOURABH; GOMBER, B.; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SAHU, B.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Search for the nonresonant and resonant production of a Higgs boson in association with an additional scalar boson in the $\gamma\gamma\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13.6$ TeV

Citation: Journal of High Energy Physics, 2026(05), 186.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)186](https://doi.org/10.1007/JHEP05(2026)186)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11301>

Publication Date: 2026-05



Author(s): CMS Collaboration; Hayrapetyan, A.; ALPANA, A.; DUBE, SOURABH; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SHARMA, R.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Measurements of electroweak production of a photon in association with two jets in proton-proton collisions at $\sqrt{s} = 13.6$ TeV

Citation: Journal of High Energy Physics, 2026(05), 114.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)020](https://doi.org/10.1007/JHEP05(2026)020)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11270>

Publication Date: 2026-05



Author(s): CMS Collaboration; Hayrapetyan, A.; ALPANA, A.; DUBE, SOURABH; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SHARMA, R.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Search for Higgsinos in final states with low-momentum lepton-track pairs at $\sqrt{s} = 13$ TeV.

Citation: Physical Review D, 113, 092009.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/w3b5-92ls>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11336>

Publication Date: 2026-05

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Author(s): CMS Collaboration; Hayrapetyan, A.; DUBE, SOURABH; HAZARIKA, P.; KANSAL, B.; LAHA, A.; SHARMA, R.; SHARMA, SEEMA; VAISH, K.Y. et al.

Title: Search for heavy long-lived charged particles with level-1 trigger scouting data from proton-proton collisions at $\sqrt{s} = 13.6$ TeV

Citation: Physics Letters B

Publisher: Elsevier B.V.

URI: <https://doi.org/10.1016/j.physletb.2026.140498>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11314>

Publication Date: 2026-07



Author(s): DEB, MADHUKAR; DESAI, JAY; GHOSH, DIPTIMOY

Title: Stable causality and microcausality for Drummond-Hathrell photons

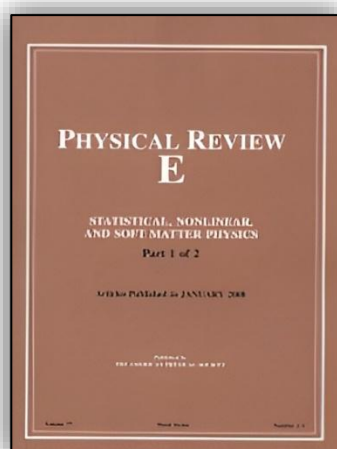
Citation: Journal of High Energy Physics, 2026(05), 311.

Publisher: Springer Nature

URI: [https://doi.org/10.1007/JHEP05\(2026\)311](https://doi.org/10.1007/JHEP05(2026)311)

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11282>

Publication Date: 2026-05



Author(s): Deshmukh, Suraj; Guha, Sougata; Roy, Basudha; PATIL, SHIVPRASAD; Saha, Arnab; Muhuri, Sudipto

Title: Miniature work-to-work converter engine powered by motor protein

Citation: Physical Review E, 113, 064407.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/2fl6-1j71>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11331>

Publication Date: 2026-06

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Author(s): KUMAR, YATINDRA; Jha, Yashraj; Shukla, Namrata

Title: Minimum uncertainty states and squeezed states from a sum uncertainty relation

Citation: Physical Review A, 113, 062210.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/w2qx-ym7>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11311>

Publication Date: 2026-06



Author(s): MAITY, SUVASHIS

Title: Relativistic accretion and burdened primordial black holes

Citation: Physical Review D, 113, 103533.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/hgm3-5893>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11279>

Publication Date: 2026-05



Author(s): Nagpal, Lakshya; KUMAR, ADITYA; Hassan, S. R.

Title: Mapping of fermionic lattice models for Ising solvers

Citation: Scientific Reports, 16, 16249.

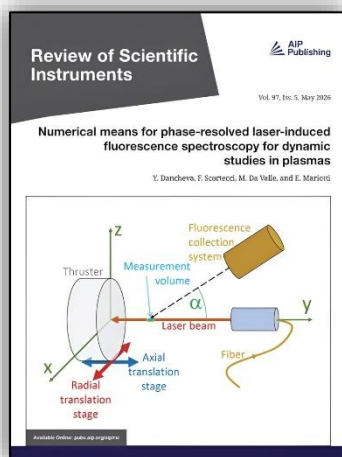
Publisher: Springer Nature

URI: <https://doi.org/10.1038/s41598-026-44886-7>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11283>

Publication Date: 2026-05

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Author(s): P, VISHNU; BAPAT, BHAS

Title: A coupled electron and ion spectrometer for investigating molecular ion fragmentation

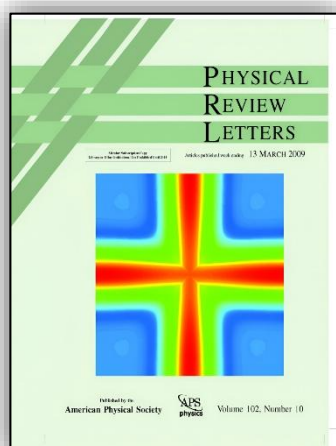
Citation: Review of Scientific Instruments, 97(05).

Publisher: AIP Publishing

URI: <https://doi.org/10.1063/5.0331358>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11269>

Publication Date: 2026-05



Author(s): Schué, Léonard; PISTAWALA, NASHRA; HARNAGEA, LUMINITA et al.

Title: Crystal-Field-Tuned Spin-Flip Luminescence in NiPS_3

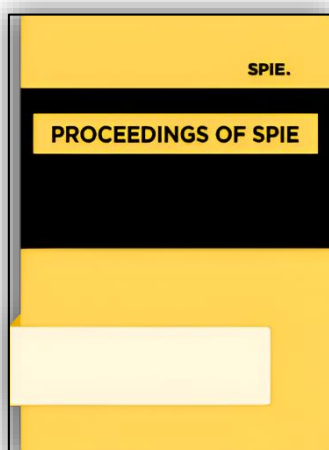
Citation: Physical Review Letters, 136, 236401.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/7y26-3skd>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11306>

Publication Date: 2026-06



Author(s): SHUKLA, ASHUTOSH; BOBY, SNEHA; CHAND, RAHUL; KUMAR, G. V. PAVAN

Title: Arrested rotation of plasmonic optical matter driven by chiral light

Citation: Proceedings SPIE 14076, Nanophotonics XI.

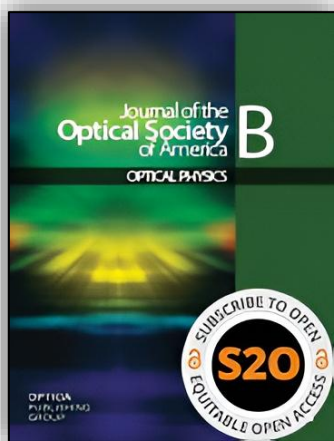
Publisher: SPIE

URI: <https://doi.org/10.1117/12.3108188>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11308>

Publication Date: 2026-05

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Author(s): SHUKLA, ASHUTOSH; BOBY, SNEHA; KUMAR, G. V. PAVAN

Title: Multipolar Optical Binding in Focus

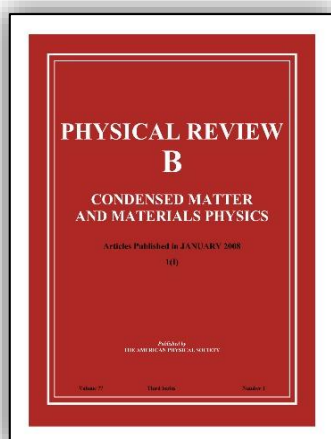
Citation: Journal of the Optical Society of America B

Publisher: Optica Publishing Group

URI: <https://doi.org/10.1364/JOSAB.595950>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11307>

Publication Date: 2026-06



Author(s): SREEJITH, G. J.; MANNA, SANDIPAN

Title: Signatures of quantum chaos and complexity in the Ising model on random graphs

Citation: Physical Review B, 113, 214322.

Publisher: American Physical Society

URI: <https://doi.org/10.1103/vt39-tvrs>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11326>

Publication Date: 2026-06



Author(s): SRIVASTAV, AKASH; SRIVASTAV, SUMIT; BAPAT, BHAS

Title: Electron capture induced fragmentation of CO^{3+}_2 : Influence of projectile charge on sequential and concerted break-up pathways

Citation: Physical Review A, 113, 052811.

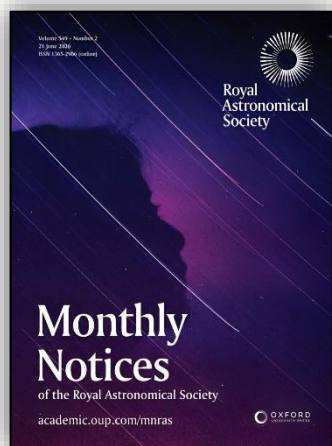
Publisher: American Physical Society

URI: <https://doi.org/10.1103/s6nj-7k64>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11268>

Publication Date: 2026-05

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Author(s): Tiwari, Avinash; Bhat, Sajad A.; Choudhury, Tirthankar Roy; ADHIKARI, SUSMITA; Singh, Mukesh Kumar; Kapadia, Shasvath J.

Title: Gravitational wave informed inference of 21-cm global signal parameters

Citation: Monthly Notices of the Royal Astronomical Society, 549(02).

Publisher: Oxford University Press

URI: <https://doi.org/10.1093/mnras/stag923>

DR URI: <http://dr.iiserpune.ac.in:8080/xmlui/handle/123456789/11285>

Publication Date: 2026-06

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