

Journal publications related to USIAS Fellowships, January-July 2024 (*Web of Science*)

Douchamps, V; di Volo, M; Torcini, A; Battaglia , D; Goutagny , R	Gamma oscillatory complexity conveys behavioral information in hippocampal networks	NATURE COMMUNICATIONS	FEB 29	2024	15	1
Mohan, M; Pham, DJ; Fluck, A; Chapuis, S; Chaumont, A; Kauffmann, B; Barloy, L; Mobian , P	A Chiral [2+3] Covalent Organic Cage Based on 1,1'-Bi-2-naphthol (BINOL) Units	CHEMISTRY-A EUROPEAN JOURNAL	APR 22	2024	30	23
Charles, F; Mongardi, G; Pacienza , G	Families of rational curves on holomorphic symplectic varieties and applications to 0-cycles	COMPOSITIO MATHEMATICA	FEB	2024	160	2
Bonam, SR; Mastrippolito, D; Georgel, P; Muller , S	Pharmacological targets at the lysosomal autophagy-NLRP3 inflammasome crossroads	TRENDS IN PHARMACOLOGICAL SCIENCES	JAN	2024	45	1
Côte , R; Ferriere, G	Asymptotic Stability of 2-Domain Walls for the Landau-Lifshitz-Gilbert Equation in a Nanowire With Dzyaloshinskii-Moriya Interaction	INTERNATIONAL MATHEMATICS RESEARCH NOTICES	FEB 21	2024	2024	4
Markarian , N; Polishchuk, A	Compatible Feigin-Odesskii Poisson brackets	MANUSCRIPTA MATHEMATICA	MAR	2024	173	3-4
Yang, ZZ; Esteve, F; Antheaume, C; Lehn , JM	Triply Adaptive Libraries of Dynamic Covalent Macrocycles: Switching between Sorted and Unsorted States	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	MAY 27	2024	146	22
Esteve, F; Rieu, T; Lehn , JM	Constitutional adaptation to pKa modulation by remote ester hydrolysis	CHEMICAL SCIENCE	MAY 15	2024	15	19
Esteve, F; Rieu, T; Lehn , JM	Key structural features to favour imines over hydrates in water: pyridoxal phosphate as a muse	CHEMICAL SCIENCE	2024 JUN 11	2024		
Rieu, T; Osypenko, A; Lehn , JM	Triple Adaptation of Constitutional Dynamic Networks of Imines in Response to Micellar Agents: Internal Uptake-Interfacial Localization-Shape Transition	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	MAR 25	2024	146	13
Dotsenko , V; Flynn-conolly, O	Three Schur functors related to pre-Lie algebras	MATHEMATICAL PROCEEDINGS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY	MAR	2024	176	2

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Wang, KD; Tao, WJ; Nagarajan, K; Kushida, S; Sandeep, K; Genet , C; Ebbesen , TW	Study of the Selection Rules of Molecular Polaritonic Transitions by Two-Photon Absorption Spectroscopy	JOURNAL OF PHYSICAL CHEMISTRY C	JUN 4	2024	128	25
Romano, V; Puga-Gonzalez, I; Macintosh, AJJ; Sueur , C	The role of social attraction and social avoidance in shaping modular networks	ROYAL SOCIETY OPEN SCIENCE	FEB 28	2024	11	2
Andersson, EP; Mac Low, MM; Agertz, O; Renaud , F; Li, H	Pre-supernova feedback sets the star cluster mass function to a power law and reduces the cluster formation efficiency	ASTRONOMY & ASTROPHYSICS	JAN 3	2024	681	
Gahlot, S; Schmitt, JL; Chevalier, A; Villa, M; Roy, M; Ceroni, P; Lehn , JM; Gingras, M	The Sulfur Dance Around Arenes and Heteroarenes - the Reversible Nature of Nucleophilic Aromatic Substitutions	CHEMISTRY-A EUROPEAN JOURNAL	2024 FEB 19	2024		
Courtès, C; Boileau, M; Côte , R; Hervieux, PA; Manfredi, G	Micromagnetic simulations of the size dependence of the Curie temperature in ferromagnetic nanowires and nanolayers	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	MAY 15	2024	598	
Dobson , FS; Correia, HE; Abebe, A	How much multiple paternity should we expect? A study of birds and contrast with mammals	ECOLOGY AND EVOLUTION	MAR	2024	14	3
Viblanc, VA; Pardonnet, S; Tamian, A; McCaw, LK; Dobson , FS; Boonstra, R	Down-regulating the stress axis: Living in the present while preparing for the future	GENERAL AND COMPARATIVE ENDOCRINOLOGY	AUG 1	2024	354	
Joshi, GD; Pontzen, A; Agertz, O; Rey, MP; Read, J; Renaud , F	VINTERGATAN-GM: How do mergers affect the satellite populations of MW-like galaxies?	MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	JAN 23	2024	528	2
Bugueno, IM; Rey, T; Jimenez-Armijo, A; Kawczynski, M; Kharouf, N; Manière, MC; Herault, Y; Bloch-Zupan , A; Haushalter-Laugel, V	Rare dentin defects: Understanding the pathophysiological mechanisms of COLXVA1 mutations	GENES & DISEASES	SEP	2024	11	5
de Faria, IJS; de Almeida, JPP; Marques , JT	Impact of symbiotic insect-specific viruses on mosquito vector for arboviruses	CURRENT OPINION IN INSECT SCIENCE	JUN	2024	63	
Smith, CEL; Laugel-Haushalter, V; Hany, U; Best, S; Taylor, RL; Poulter, JA; Wortmann, SB; Feichtinger, RG; Mayr, JA; Al Bahlani, S; Nikolopoulos, G; Rigby, A; Black, GC; Watson, CM; Mansour, S; Inglehearn, CF; Mighell, AJ; Bloch-Zupan , A	Biallelic variants in Plexin B2 (PLXNB2) cause amelogenesis imperfecta, hearing loss and intellectual disability	JOURNAL OF MEDICAL GENETICS	2024 MAR 8	2024		

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Leung, PB; Matanza, XM; Roche, B; Ha, KP; Cheung, HC; Appleyard, S; Collins, T; Flanagan, O; Marteyn , BS; Clements, A	Shigella sonnei utilises colicins during inter-bacterial competition	MICROBIOLOGY-SGM	FEB	2024	170	2
Kraljic, K; Renaud , F; Dubois, Y; Pichon, C; Agertz, O; Andersson, E; Devriendt, J; Freundlich, J; Kaviraj, S; Kimm, T; Martin, G; Peirani, S; Otero, AS; Volonteri, M; Yi, SK	Emergence and cosmic evolution of the Kennicutt-Schmidt relation driven by interstellar turbulence	ASTRONOMY & ASTROPHYSICS	JAN 31	2024	682	
Holvec, S; Barchet, C; Lechner, A; Fréchin, L; De Silva, SNT; Hazemann, I; Wolff, P; von Loeffelholz, O; Klaholz , BP	The structure of the human 80S ribosome at 1.9 Å resolution reveals the molecular role of chemical modifications and ions in RNA	NATURE STRUCTURAL & MOLECULAR BIOLOGY	2024 JUN 6	2024		
Tsouris, A; Brach, G; Friedrich, A; Hou, J; Schacherer , J	Diallel panel reveals a significant impact of low-frequency genetic variants on gene expression variation in yeast	MOLECULAR SYSTEMS BIOLOGY	APR 2	2024	20	4
Jimenez-Armijo, A; Morkmued, S; Ahumada, JT; Kharouf, N; de Feraudy, Y; Gogl, G; Riet, F; Niederreither, K; Laporte, J; Birling, MC; Selloum, M; Herault, Y; Hernandez, M; Bloch-Zupan , A	The Rogdi knockout mouse is a model for Kohlschütter-Tönz syndrome	SCIENTIFIC REPORTS	JAN 3	2024	14	1
Bílek, M; Hilker, M; Renaud , F; Richtler, T; Chaturvedi, A; Samurovic, S	The galactic acceleration scale is imprinted on globular cluster systems of early-type galaxies of most masses and on red and blue globular cluster subpopulations	ASTRONOMY & ASTROPHYSICS	FEB 9	2024	682	
Vestring, S; Dorner, A; Scholliers, J; Ehrenberger, K; Kiss, A; Arenz, L; Theiss, A; Rossner, P; Frase, S; Du Vinage, C; Wendler, E; Serchov , T; Domschke, K; Bischofberger, J; Normann, C	D-Cycloserine enhances the bidirectional range of NMDAR-dependent hippocampal synaptic plasticity	TRANSLATIONAL PSYCHIATRY	JAN 9	2024	14	1
Danne, C; Skerniskyte, J; Marteyn , B; Sokol, H	Neutrophils: from IBD to the gut microbiota	NATURE REVIEWS GASTROENTEROLOGY & HEPATOLOGY	MAR	2024	21	3
Verwilghen, P; Emsellem, E; Renaud , F; Valentini, M; Sun, JY; Jeffreson, S; Klessen, RS; Sormani, MC; Barnes, AT; Dolag, K; Grasha, K; Liang, FH; Meidt, S; Neumann, J; Querejeta, M; Schinnerer, E; Williams, TG	Simulating nearby disc galaxies on the main star formation sequence I. Bar formation and the building of the central gas reservoir	ASTRONOMY & ASTROPHYSICS	JUN 26	2024	687	

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Burger, P; Herbay, L; Piton, A; Faivre, L; Garou, KJ; Soyer, C; Chatron, N; Thompson, J; Ockeloen, C; Kleefstra, T; Mandel , JL	GenIDA, an international participatory registry to better characterise comorbidities of genetic forms of intellectual disability: insights on POGZ, SETD5 and KBG syndromes	EUROPEAN JOURNAL OF HUMAN GENETICS	JAN	2024	32	
Yao, X; Vishnu, JA; Lupfer, C; Hoenders, D; Skarsetz, O; Chen, W; Dattler, D; Perrot, A; Wang, WZ; Gao, C; Giuseppone , N; Schmid, F; Walther , A	Scalable Approach to Molecular Motor-Polymer Conjugates for Light-Driven Artificial Muscles	ADVANCED MATERIALS	2024 APR 21	2024		
Forbes, EJ; Morison, LD; Lelik, F; Howell, T; Debono, S; Goel, H; Burger, P; Mandel , JL; Geneviève, D; Amor, DJ; Morgan, AT	Speech and language in DDX3X-neurodevelopmental disorder: A call for early augmentative and alternative communication intervention	AMERICAN JOURNAL OF MEDICAL GENETICS PART B-NEUROPSYCHIATRIC GENETICS	2024 FEB 29	2024		
Lanza, M; Incagli, F; Ceccato, C; Reffo, ME; Mercuriali, E; Parmeggiani, F; Pagliano, E; Saletti, V; Leonardi, M; Suppiej, A; Dollfus , H; LeBreton, D; Finger, RP; Leroy, BP; Zemaitiene, R; Nowomiejska, K; Guastafierro, E	Quality of life, functioning and participation of children and adolescents with visual impairment: A scoping review	RESEARCH IN DEVELOPMENTAL DISABILITIES	AUG	2024	151	
Teyssonnière, EM; Trébulle, P; Muenzner, J; Loegler, V; Ludwig, D; Amari, F; Müllereder, M; Friedrich, A; Hou, J; Ralser, M; Schacherer , J	Species- wide quantitative transcriptomes and proteomes reveal distinct genetic control of gene expression variation in yeast	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	MAY 7	2024	121	19
Ibata, R; Malhan, K; Tenachi, W; Ardern-Arentsen, A; Bellazzini, M; Bianchini, P; Bonifacio, P; Caffau, E; Diakogiannis, F; Errani, R; Famaey, B; Ferrone, S; Martin, NF; di Matteo, P; Monari, G; Renaud , F; Starkenburg, E; Thomas, G; Viswanathan, A; Yuan, Z	Charting the Galactic Acceleration Field. II. A Global Mass Model of the Milky Way from the STREAMFINDER Atlas of Stellar Streams Detected in Gaia DR3	ASTROPHYSICAL JOURNAL	JUN 1	2024	967	2
De la Dure-molla, M; Gaucher, C; Dupré, N; Bloch-Zupan , A; Berdal, A; Chaussain, C	The tooth: A marker of developmental abnormalities	M S-MEDECINE SCIENCES	FEB 1	2024	40	1
Ruault, V; [...]; Mandel , JL; Genevieve, D	Lessons from two series by physicians and caregivers' self-reported data in DDX3X-related disorders	MOLECULAR GENETICS & GENOMIC MEDICINE	JAN	2024	12	1