## **News Feature: The Journals**

## **John I Davies**

Principium has been logging interstellar papers published in the Journal of the British Interplanetary Society (JBIS) for some years. In the last issue we also logged interstellar papers in Acta Astronautica (ActaA), the commercial journal published by Elsevier, with the endorsement of the International Academy of Astronautics. On this second occasion we have also aimed to capture ActaA papers since our last issue.

Title (open publication)	Author	Affiliation
Précis/Highlights		
JBIS V74 #8 August 2021	General Issue	
Dry Space and Solar Sails:	Stephen Baxter	-
Resource Limits and		
Environmental Constraints on		
Near Future Space Industry		
Roadmap to Nuclear Gas Core	Colin Warn	Washington State University
Rockets		
JBIS V10 October 2021	General Issue	
Possible Space Mission To The	Vladislav Zubko & Andrey	Russian Academy of Sciences &
Trans-Neptunian Object 2012	Belyaev	Bauman Moscow State Technical
VP113		University

Zubko & Belyaev - trajectory to 2012 VP113 in 2026 using the EVEEJN-A scheme with the time of flight of 32.7 yrs.

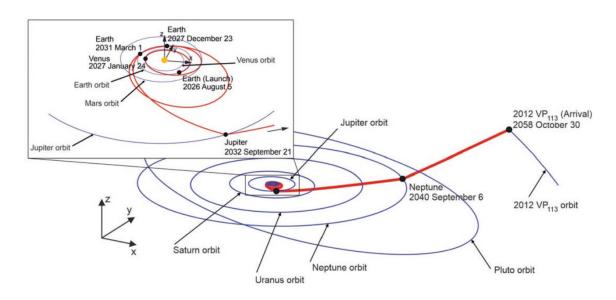


Fig.9 The trajectory to 2012  $VP_{113}$  in 2026 using the EVEEJN-A scheme with the time of flight of 32.7 yrs.

## **Acta Astronautica**

Two i4is papers in **bold** below.

Number+date	Author(s)	Affiliation		
#25 September 2021	Niklas Alexander	Otto-Friedrich-		
	Döbler, Marius Raab	Universität Bamberg		
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d with extraterrestrial minds	s is proposed. Extraterrestr	ials are identified as high-		
		_		
		=		
SETI.				
#14 September 2021	Adam Hibberd,	i4is		
1	<u> </u>			
	Andreas M. Hein			
Object, 2I/Borisov, are stu	died. Chemical/High Im	oulsive Thrust		
Propulsion is assumed. A direct trajectory as well as a Jupiter/Solar Oberth Maneuver are				
• •	-			
Heavy.				
#22 July 2021	Jason T. Wright	Penn State University		
al strategies for SETI. Roug	gh map of the landscape of	possible technosignatures.		
nce of and strategies for pla	cing upper limits on techno	signatures.		
#16 July 2021	Joan Pau Sánchez,	Cranfield University		
	David Morante, Cecilia			
	Tubiana			
explore a Long Period Com	et; ideally, dynamically nev	w. Such a target will		
bly, even after launch. The	paper analyses the orbital s	pace that will be		
accessible for Comet-I S/C. Chemical, electric and hybrid propulsion systems are modelled in patched-				
alysis shows a 95–99% of co	ompleting the mission within	n 6 years.		
#29 June 2021	Michael Bohlander	Durham University		
Metalaw, Cosmic ethics, SETI and Law, Hostile encounter, Discovery of ETI.				
#7 May 2021	Todd D. Lillian	Purdue University		
al model for electric solar w	rind sail vibrations. Simple	models accurately predict		
	<u> </u>	· ·		
	-			
#2 April 2021	Olivia Borgue, Andreas	i4is		
	M Hein			
concept design*				
concept for a near-term self-replicating probe. At least 70% of its dry mass can be replicated.				
Operations would be limited to the inner solar system. A technology roadmap for achieving full				
	#25 September 2021  d with extraterrestrial minds distinction between inadmin representation of extrater and representation of extrater and the september 2021  #14 September 2021  Object, 2I/Borisov, are sturn are found using the NA direct trajectory as well ons are found using the NA direct trajectory as well ons are found using the NA direct trajectory as well ons are found using the NA direct trajectory as well ons are found using the NA direct trajectory as well as seeking to enter the field #16 July 2021  explore a Long Period Combly, even after launch. The C. Chemical, electric and hallysis shows a 95–99% of combly are greater than the second property of the second property	#25 September 2021 Niklas Alexander Döbler, Marius Raab  d with extraterrestrial minds is proposed. Extraterrestr distinction between inadmissible and admissible anthron representation of extraterrestrials. The concept of in representation of extraterrestrials. The concept of in Mikolaos Perakis, Andreas M. Hein  Object, 2I/Borisov, are studied. Chemical/High Imp A direct trajectory as well as a Jupiter/Solar Oberthons are found using the NASA Space Launch System #22 July 2021 Jason T. Wright  al strategies for SETI. Rough map of the landscape of nice of and strategies for placing upper limits on technologies seeking to enter the field.  #16 July 2021 Joan Pau Sánchez, David Morante, Cecilia Tubiana  explore a Long Period Comet; ideally, dynamically new bly, even after launch. The paper analyses the orbital sector. Chemical, electric and hybrid propulsion systems and sysis shows a 95–99% of completing the mission within #29 June 2021 Michael Bohlander  BETI and Law, Hostile encounter, Discovery of ETI.  #7 May 2021 Todd D. Lillian  al model for electric solar wind sail vibrations. Simple extric solar wind sails. Hub and spoke electric solar wind sails. Hub and spoke electric solar wind may enable exponentially accelerating space explorations.  #2 April 2021 Olivia Borgue, Andreas M Hein		

 $<sup>^{</sup>st}$  discussed elewhere in Principium.