

Simon A Pope

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

660
citations

567144

15
h-index

552653

26
g-index

31
all docs

31
docs citations

31
times ranked

793
citing authors

#	ARTICLE	IF	CITATIONS
1	Little or no solar wind enters Venus's atmosphere at solar minimum. <i>Nature</i> , 2007, 450, 654-656.	13.7	79
2	Initial Venus Express magnetic field observations of the Venus bow shock location at solar minimum. <i>Planetary and Space Science</i> , 2008, 56, 785-789.	0.9	71
3	Venus Express observes a new type of shock with pure kinematic relaxation. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	62
4	Initial Venus Express magnetic field observations of the magnetic barrier at solar minimum. <i>Planetary and Space Science</i> , 2008, 56, 790-795.	0.9	61
5	A New Method for the Analysis of Urinary Vitamin E Metabolites and the Tentative Identification of a Novel Group of Compounds. <i>Archives of Biochemistry and Biophysics</i> , 2000, 381, 8-15.	1.4	44
6	Viscoelastic locally resonant double negative metamaterials with controllable effective density and elasticity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 4250-4255.	0.9	40
7	Giant vortices lead to ion escape from Venus and the distribution of plasma in the ionosphere. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	38
8	Exploring planetary magnetic environments using magnetically unclean spacecraft: a systems approach to VEX MAG data analysis. <i>Annales Geophysicae</i> , 2011, 29, 639-647.	0.6	34
9	Proton cyclotron waves in the solar wind at Venus. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
10	Venus Express observations of an atypically distant bow shock during the passage of an interplanetary coronal mass ejection. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	24
11	Uncovering Genomic Causes of Co-Morbidity in Epilepsy: Gene-Driven Phenotypic Characterization of Rare Microdeletions. <i>PLoS ONE</i> , 2011, 6, e23182.	1.1	24
12	New synthesis of (±)-CMBHC and its confirmation as a metabolite of ±-tocopherol (vitamin E). <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 1337-1343.	1.4	23
13	Dispersion of low frequency plasma waves upstream of the quasi-perpendicular terrestrial bow shock. <i>Annales Geophysicae</i> , 2013, 31, 1387-1395.	0.6	19
14	The First Direct Observational Confirmation of Kinematic Collisionless Relaxation in Very Low Mach Number Shocks Near the Earth. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 1711-1725.	0.8	17
15	A multi-layer active elastic metamaterial with tuneable and simultaneously negative mass and stiffness. <i>Smart Materials and Structures</i> , 2014, 23, 075020.	1.8	16
16	Unusual nonlinear waves in the Venusian magnetosheath. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	13
17	Using feedback control to actively regulate the healing rate of a self-healing process subjected to low cycle dynamic stress. <i>Smart Materials and Structures</i> , 2016, 25, 055028.	1.8	11
18	Double negative elastic metamaterial design through electrical-mechanical circuit analogies. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2013, 60, 1467-1474.	1.7	10

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19	Performance and stability analysis of active elastic metamaterials with a tunable double negative response. <i>Smart Materials and Structures</i> , 2012, 21, 125021.	1.8	9
20	The Response of the Venusian Plasma Environment to the Passage of an ICME: Hybrid Simulation Results and Venus Express Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3580-3601.	0.8	8
21	Design of remotely located and multi-loop vibration controllers using a sequential loop closing approach. <i>Control Engineering Practice</i> , 2015, 38, 1-10.	3.2	7
22	A Statistical Study of Ionospheric Boundary Wave Formation at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7668-7685.	0.8	4
23	A Survey of Venus Shock Crossings Dominated by Kinematic Relaxation. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028256.	0.8	4
24	Spatial scales of the magnetic ramp at the Venusian bow shock. <i>Annales Geophysicae</i> , 2011, 29, 2081-2088.	0.6	3
25	Validation of single spacecraft methods for collisionless shock velocity estimation. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 8632-8641.	0.8	3
26	A study of ionopause perturbation and associated boundary wave formation at Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 4284-4298.	0.8	2
27	An Experimental Analysis of an Active Elastic Metamaterial. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2014, 47, 959-965.	0.4	1
28	Noise suppression using local acceleration feedback control of an active absorber. <i>Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering</i> , 2015, 229, 495-505.	0.7	0
29	Design of Stable and Broadband Remote Vibration Controllers for Systems With Local Nonminimum Phase Dynamics. <i>IEEE Transactions on Control Systems Technology</i> , 2015, , 1-1.	3.2	0
30	A material system with integrated fault diagnosis and feedback controlled self-healing. <i>International Journal of Adaptive Control and Signal Processing</i> , 0, , .	2.3	0