

Juan G Roederer

List of Publications by Year in descending order

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40
papers

1,179
citations

430874

18
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

663
citing authors

#	ARTICLE	IF	CITATIONS
1	Space Physics from Both Ends of the Americas, 1949â€“2019. Journal of Geophysical Research: Space Physics, 2019, 124, 9866-9880.	2.4	1
2	Coordinates for Representing Radiation Belt Particle Flux. Journal of Geophysical Research: Space Physics, 2018, 123, 1381-1387.	2.4	32
3	The â€œzebra stripesâ€ An effect of <i>F</i> region zonal plasma drifts on the longitudinal distribution of radiation belt particles. Journal of Geophysical Research: Space Physics, 2016, 121, 507-518.	2.4	21
4	Pragmatic information in biology and physics. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150152.	3.4	13
5	Dynamics of Magnetically Trapped Particles. Astrophysics and Space Science Library, 2014, , .	2.7	65
6	Music and the evolution of human brain function. , 2009, , 195-210.		0
7	Early Cosmic-Ray Research in Argentina. Physics Today, 2003, 56, 32-37.	0.3	10
8	On the Concept of Information and Its Role in Nature. Entropy, 2003, 5, 3-33.	2.2	30
9	Information, Life and Brains. , 2000, , 179-194.		2
10	Are magnetic storms hazardous to your health?. Eos, 1995, 76, 441-441.	0.1	37
11	After Gorbachev: Science in the former Soviet Union. Eos, 1992, 73, 369-369.	0.1	3
12	Let a Thousand Sakharovs Bloom. Bulletin of the Atomic Scientists, 1991, 47, 18-21.	0.6	3
13	Forum: The challenge of global change. Eos, 1990, 71, 1085.	0.1	1
14	IGBP: Crown jewel or prodigal son?. Eos, 1989, 70, 1552.	0.1	2
15	GEM: Geospace Environment Modeling. Eos, 1988, 69, 786.	0.1	7
16	Controversy enlivens planning of the International Geosphere-Biosphere Program: One point of view. Eos, 1986, 67, 674.	0.1	2
17	ICSU gives green light to IGBP. Eos, 1986, 67, 777.	0.1	6
18	The participation of developing countries in space research. Space Policy, 1985, 1, 311-317.	1.5	1

#	ARTICLE	IF	CITATIONS
19	The Search for a Survival Value of Music. <i>Music Perception</i> , 1984, 1, 350-356.	1.1	97
20	Opening address and foreword. <i>Space Science Reviews</i> , 1983, 34, 5.	8.1	0
21	Space research policies in advanced and developing countries. <i>Advances in Space Research</i> , 1983, 3, 9-11.	2.6	2
22	Physical and Neuropsychological Foundations of Music. , 1982, , 37-46.		13
23	Human brain functions and the foundations of science. <i>Endeavour</i> , 1979, 3, 99-103.	0.4	26
24	On the relationship between human brain functions and the foundations of physics, science, and technology. <i>Foundations of Physics</i> , 1978, 8, 423-438.	1.3	39
25	Jupiter's internal magnetic field geometry relevant to particle trapping. <i>Journal of Geophysical Research</i> , 1977, 82, 5187-5194.	3.3	18
26	IMS 1976â€“1979: New Concepts in International Scientific Cooperation. <i>Eos</i> , 1976, 57, 6-8.	0.1	9
27	The international magnetospheric study. <i>Acta Astronautica</i> , 1974, 1, 1-14.	3.2	1
28	Secularâ€“invariant relationships among internal geomagnetic field coefficients. <i>Geophysical Research Letters</i> , 1974, 1, 367-370.	4.0	13
29	Motion of magnetospheric particle clouds in a time-dependent electric field model. <i>Journal of Geophysical Research</i> , 1974, 79, 1432-1438.	3.3	56
30	Drift shell splitting by internal geomagnetic multipoles. <i>Journal of Geophysical Research</i> , 1973, 78, 133-144.	3.3	25
31	Introduction to the Physics and Psychophysics of Music. Heidelberg Science Library, 1973, , .	0.0	81
32	Geomagnetic field distortions and their effects on radiation belt particles. <i>Reviews of Geophysics</i> , 1972, 10, 599-630.	23.0	35
33	Splitting of drift shells by the magnetospheric electric field. <i>Journal of Geophysical Research</i> , 1971, 76, 1055-1059.	3.3	23
34	Electric field in the magnetosphere as deduced from asymmetries in the trapped particle flux. <i>Journal of Geophysical Research</i> , 1970, 75, 3923-3926.	3.3	24
35	Quantitative models of the magnetosphere. <i>Reviews of Geophysics</i> , 1969, 7, 77-96.	23.0	75
36	On the adiabatic motion of energetic particles in a model magnetosphere. <i>Journal of Geophysical Research</i> , 1967, 72, 981-992.	3.3	257

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37	Longitude dependence of geomagnetically trapped electrons. Journal of Geophysical Research, 1967, 72, 4431-4447.	3.3	25
38	Zur Theorie des Breiteneffektes der Nukleonenkomponente der kosmischen Strahlung. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1954, 9, 740-747.	1.5	2
39	Über die Absorption der Nukleonenkomponente der kosmischen Strahlung in -21° geomagnetischer Breite. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1952, 7, 765-771.	1.5	12
40	Pragmatic Information in Quantum Mechanics. , 0, , 113-137.		0