

Boris A Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,105
citations

516710

16
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars/Moon Cratering Rate Ratio Estimates. <i>Space Science Reviews</i> , 2001, 96, 87-104.	8.1	415
2	Modeling damage and deformation in impact simulations. <i>Meteoritics and Planetary Science</i> , 2004, 39, 217-231.	1.6	384
3	Energy, volatile production, and climatic effects of the Chicxulub Cretaceous/Tertiary impact. <i>Journal of Geophysical Research</i> , 1997, 102, 21645-21664.	3.3	173
4	Martian Meteorite Launch: High-Speed Ejecta from Small Craters. <i>Science</i> , 2002, 298, 1752-1756.	12.6	157
5	Launch of martian meteorites in oblique impacts. <i>Icarus</i> , 2004, 171, 84-101.	2.5	157
6	Impact winter and the Cretaceous/Tertiary extinctions: Results of a Chicxulub asteroid impact model. <i>Earth and Planetary Science Letters</i> , 1994, 128, 719-725.	4.4	149
7	The phase diagram of CaCO ₃ in relation to shock compression and decomposition. <i>Physics of the Earth and Planetary Interiors</i> , 2002, 129, 131-143.	1.9	88
8	Origin and emplacement of the impact formations at Chicxulub, Mexico, as revealed by the ICDP deep drilling at Yaxcopoilâ€”1 and by numerical modeling. <i>Meteoritics and Planetary Science</i> , 2004, 39, 1035-1067.	1.6	84
9	Mars/Moon Cratering Rate Ratio Estimates. <i>Space Sciences Series of ISSI</i> , 2001, , 87-104.	0.0	84
10	Theoretical analysis of secondary cratering on Mars and an image-based study on the Cerberus Plains. <i>Icarus</i> , 2009, 200, 406-417.	2.5	69
11	Shock Metamorphism of Bosumtwi Impact Crater Rocks, Shock Attenuation, and Uplift Formation. <i>Science</i> , 2008, 322, 1678-1681.	12.6	49
12	Numerical modeling of the formation of large impact craters. , 2002, , .		48
13	5. Cratering History and Lunar Chronology. , 2006, , 519-596.		43
14	Impact cratering in H ₂ O-bearing targets on Mars: Thermal field under craters as starting conditions for hydrothermal activity. <i>Meteoritics and Planetary Science</i> , 2011, 46, 601-619.	1.6	32
15	Cooling of the KÅrdla impact crater: II. Impact and geothermal modeling. <i>Meteoritics and Planetary Science</i> , 2005, 40, 21-33.	1.6	30
16	3D structure of the Gusev Crater region. <i>Earth and Planetary Science Letters</i> , 2010, 294, 411-423.	4.4	29
17	How strong was impact-induced CO ₂ degassing in the Cretaceous-Tertiary event? Numerical modeling of shock recovery experiments. , 2002, , .		28
18	Target delamination by spallation and ejecta dragging: An example from the Ries crater's periphery. <i>Earth and Planetary Science Letters</i> , 2006, 252, 15-29.	4.4	28

#	ARTICLE	IF	CITATIONS
19	Impact airblast triggers dust avalanches on Mars. <i>Icarus</i> , 2012, 217, 194-201.	2.5	25
20	Asteroid impact effects on Snowball Earth. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2273-2285.	1.6	14
21	Shock wave propagation in layered planetary embryos. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 230, 45-59.	1.9	6
22	Dark halos produced by current impact cratering on Mars. <i>Icarus</i> , 2019, 328, 45-57.	2.5	6
23	Size-Frequency Distribution Of Asteroids And Impact Craters: Estimates Of Impact Rate. , 2008, , 91-116.		4
24	Geologic Effects of Large Terrestrial Impact Crater Formation. , 2008, , 163-205.		1
25	Victor Lyudvigovich Masaitis (July 21, 1927â€“July 21, 2019). <i>Meteoritics and Planetary Science</i> , 2019, 54, 2879-2883.	1.6	0
26	Acoustic Fluidization During Impact Craterâ€™s Formation. <i>Springer Proceedings in Earth and Environmental Sciences</i> , 2019, , 497-505.	0.4	0