

# John O Goldsten

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

977  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

941  
citing authors

#	ARTICLE	IF	CITATIONS
1	Radioactive Elements on Mercury's Surface from MESSENGER: Implications for the Planet's Formation and Evolution. <i>Science</i> , 2011, 333, 1850-1852.	12.6	233
2	The MESSENGER Gamma-Ray and Neutron Spectrometer. <i>Space Science Reviews</i> , 2007, 131, 339-391.	8.1	175
3	Major element abundances on the surface of Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	146
4	Remote sensing evidence for an ancient carbon-bearing crust on Mercury. <i>Nature Geoscience</i> , 2016, 9, 273-276.	12.9	134
5	The X-Ray Spectrometer on the MESSENGER Spacecraft. <i>Space Science Reviews</i> , 2007, 131, 393-415.	8.1	104
6	Elemental composition from gamma-ray spectroscopy of the NEAR-Shoemaker landing site on 433 Eros. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1639-1660.	1.6	58
7	Evidence for extended acceleration of solar flare ions from $\sim 8$ MeV solar neutrons detected with the MESSENGER Neutron Spectrometer. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
8	Measuring the Elemental Composition of Phobos: The Mars Moon Exploration with Gamma rays and Neutrons (MEGANE) Investigation for the Martian Moons eXploration (MMX) Mission. <i>Earth and Space Science</i> , 2019, 6, 2605-2623.	2.6	26
9	Analysis of MESSENGER Gamma-Ray Spectrometer data from the Mercury flybys. <i>Planetary and Space Science</i> , 2011, 59, 1829-1841.	1.7	18
10	Early Results From the Engineering Radiation Monitor (ERM) and Solar Cell Monitor on the Van Allen Probes Mission. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 4053-4058.	2.0	12
11	Detection and characterization of $0.5\text{--}8\text{ MeV}$ neutrons near Mercury: Evidence for a solar origin. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5150-5171.	2.4	12
12	The MESSENGER Gamma-Ray Spectrometer: Calibration and operations. <i>Icarus</i> , 2017, 288, 186-200.	2.5	12
13	Radiation damage and annealing of three coaxial n-type germanium detectors: Preparation for spaceflight missions to asteroid 16 Psyche and Mars moon Phobos. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 942, 162409.	1.6	8
14	Radiation-Induced Single-Event Effects on the Van Allen Probes Spacecraft. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 2782-2793.	2.0	7
15	GeMini: A High-Resolution, Low-Resource, Gamma-Ray Spectrometer for Planetary Science Applications. <i>Space Science Reviews</i> , 2020, 216, 1.	8.1	6