Masayuki Uesugi

List of Publications by Year
in descending order

40 papers	1,799 citations	489802 18 h-index	355658 38 g-index
42 all docs	42 docs citations	42 times ranked	1515 citing authors

#	Article	IF	Citations
1	Initiation and propagation of small fatigue crack in beta titanium alloy observed through synchrotron radiation multiscale computed tomography. Engineering Fracture Mechanics, 2022, 263, 108308.	2.0	10
2	Preliminary analysis of the Hayabusa2 samples returned from C-type asteroid Ryugu. Nature Astronomy, 2022, 6, 214-220.	4.2	136
3	Multimodal assessment of mechanically induced transformation in metastable multiâ€phase steel using Xâ€ray nanoâ€tomography and pencilâ€beam diffraction tomography. Acta Materialia, 2022, 234, 117956.	3.8	3
4	Environmental assessment in the prelaunch phase of Hayabusa2 for safety declaration of returned samples from the asteroid (162173) Ryugu: background monitoring and risk management during development of the sampler system. Earth, Planets and Space, 2022, 74, .	0.9	11
5	Detection of small internal fatigue cracks in Tiâ€6Alâ€4V via synchrotron radiation nanocomputed tomography. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2693-2702.	1.7	8
6	Structural diverseness of neurons between brain areas and between cases. Translational Psychiatry, 2021, 11, 49.	2.4	6
7	High-energy x-ray nanotomography introducing an apodization Fresnel zone plate objective lens. Review of Scientific Instruments, 2021, 92, 023701.	0.6	25
8	Brain capillary structures of schizophrenia cases and controls show a correlation with their neuron structures. Scientific Reports, 2021, 11, 11768.	1.6	15
9	An experimental system for time-resolved x-ray diffraction of deforming silicate melt at high temperature. Review of Scientific Instruments, 2020, 91, 095113.	0.6	7
10	Development of a sample holder for synchrotron radiation-based computed tomography and diffraction analysis of extraterrestrial materials. Review of Scientific Instruments, 2020, 91, 035107.	0.6	8
11	The effects of possible contamination by sample holders on samples to be returned by Hayabusa2. Meteoritics and Planetary Science, 2020, 55, 1665-1680.	0.7	6
12	The universal sample holders of microanalytical instruments of FIB, TEM, NanoSIMS, and STXM-NEXAFS for the coordinated analysis of extraterrestrial materials. Earth, Planets and Space, 2020, 72, .	0.9	16
13	Further characterization of carbonaceous materials in Hayabusaâ€returned samples to understand their origin. Meteoritics and Planetary Science, 2019, 54, 638-666.	0.7	12
14	Nondestructive Multiscale X-Ray Tomography by Combining Microtomography and High-Energy Phase-Contrast Nanotomography. Microscopy and Microanalysis, 2018, 24, 108-109.	0.2	26
15	Image Processing Scheme for Archiving Epigraphs. , 2018, , .		0
16	Development of sealed sample containers and high resolution micro-tomography. AIP Conference Proceedings, 2016, , .	0.3	2
17	Secondary submicrometer impact cratering on the surface of asteroid 25143 Itokawa. Earth and Planetary Science Letters, 2016, 450, 337-345.	1.8	15
18	Nanomorphology of Itokawa regolith particles: Application to space-weathering processes affecting the Itokawa asteroid. Geochimica Et Cosmochimica Acta, 2016, 187, 195-217.	1.6	27

#	Article	IF	Citations
19	⁴⁰Ar/³⁹Ar age of material returned from asteroid 25143 Itokawa. Meteoritics and Planetary Science, 2015, 50, 2087-2098.	0.7	18
20	ToF-SIMS analysis of carbonaceous particles in the sample catcher of the Hayabusa spacecraft. Earth, Planets and Space, 2015, 67, .	0.9	20
21	A micro-Raman and infrared study of several Hayabusa category 3 (organic) particles. Earth, Planets and Space, 2015, 67, 20.	0.9	21
22	X-ray absorption near edge structure spectroscopic study of Hayabusa category 3 carbonaceous particles. Earth, Planets and Space, 2014, 66, .	0.9	58
23	Sequential analysis of carbonaceous materials in Hayabusa-returned samples for the determination of their origin. Earth, Planets and Space, 2014, 66, .	0.9	36
24	Mineral chemistry of <scp>MUSES</scp>â€Œ Regio inferred from analysis of dust particles collected from the firstâ€•and secondâ€touchdown sites on asteroid Itokawa. Meteoritics and Planetary Science, 2014, 49, 215-227.	0.7	23
25	Investigation of cutting methods for small samples of Hayabusa and future sample return missions. Meteoritics and Planetary Science, 2014, 49, 1186-1201.	0.7	3
26	Mineralogy of four Itokawa particles collected from the first touchdown site. Earth, Planets and Space, 2014, 66, 124.	0.9	19
27	Mineralogy and crystallography of some Itokawa particles returned by the Hayabusa asteroidal sample return mission. Earth, Planets and Space, 2014, 66, .	0.9	24
28	Threeâ€dimensional microstructure of samples recovered from asteroid 25143 Itokawa: Comparison with <scp>LL</scp>5 and <scp>LL</scp>6 chondrite particles. Meteoritics and Planetary Science, 2014, 49, 172-187.	0.7	48
29	Hayabusaâ€returned sample curation in the Planetary Material Sample Curation Facility of JAXA. Meteoritics and Planetary Science, 2014, 49, 135-153.	0.7	70
30	H, C, and N isotopic compositions of Hayabusa category 3 organic samples. Earth, Planets and Space, 2014, 66, 91.	0.9	31
31	Looking inside: 3D structures of meteorites. Geochimica Et Cosmochimica Acta, 2013, 116, 1-4.	1.6	14
32	Development of the Database for Images of the Text on the Stone Monuments. , 2013, , .		1
33	Itokawa Dust Particles: A Direct Link Between S-Type Asteroids and Ordinary Chondrites. Science, 2011, 333, 1113-1116.	6.0	487
34	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. Science, 2011, 333, 1116-1119.	6.0	161
35	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	6.0	249
36	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. Science, 2011, 333, 1128-1131.	6.0	128

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37	Sarcoptes scabiei var. hominis: Three-dimensional structure of a female imago and crusted scabies lesions by X-ray micro-CT. Experimental Parasitology, 2009, 122, 268-272.	0.5	7
38	Kinetic stability of a melted iron globule during chondrule formation. I. Nonâ€rotating model. Meteoritics and Planetary Science, 2008, 43, 717-730.	0.7	24
39	Motion of iron sulfide inclusions inside a shock-melted chondrule. Meteoritics and Planetary Science, 2005, 40, 1103-1114.	0.7	11
40	Deformation and internal flow of a chondrule-precursor molten sphere in a shocked nebular gas. Earth, Planets and Space, 2003, 55, 493-507.	0.9	12