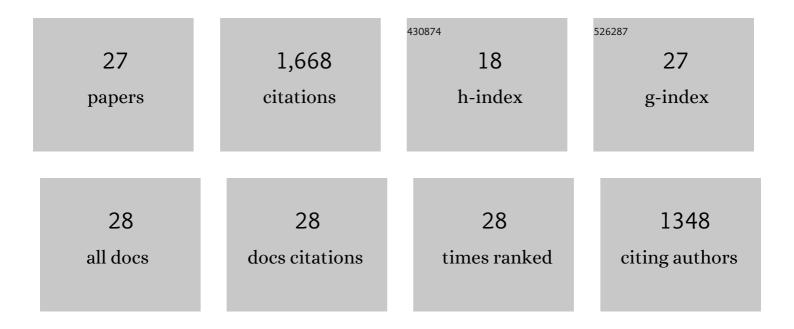
Shigehiko Tateno

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The Structure of Iron in Earth's Inner Core. Science, 2010, 330, 359-361.	12.6	408
2	Spin crossover and iron-rich silicate melt in the Earth's deep mantle. Nature, 2011, 473, 199-202.	27.8	212
3	Determination of post-perovskite phase transition boundary up to 4400ÂK and implications for thermal structure in D″ layer. Earth and Planetary Science Letters, 2009, 277, 130-136.	4.4	124
4	Stability and equation of state of MgGeO3post-perovskite phase. American Mineralogist, 2005, 90, 262-265.	1.9	107
5	The structure of Fe–Si alloy in Earth's inner core. Earth and Planetary Science Letters, 2015, 418, 11-19.	4.4	77
6	High-pressure behavior of MnGeO3 and CdGeO3 perovskites and the post-perovskite phase transition. Physics and Chemistry of Minerals, 2006, 32, 721-725.	0.8	73
7	Melting experiments on Fe–Fe 3 S system to 254 GPa. Earth and Planetary Science Letters, 2017, 464, 135-141.	4.4	73
8	Solubility of FeO in (Mg,Fe)SiO3 perovskite and the post-perovskite phase transition. Physics of the Earth and Planetary Interiors, 2007, 160, 319-325.	1.9	72
9	Phase relations in Mg3Al2Si3O12to 180 GPa: Effect of Al on post-perovskite phase transition. Geophysical Research Letters, 2005, 32, .	4.0	65
10	Phase transition boundary between B1 and B8 structures of FeO up to 210GPa. Physics of the Earth and Planetary Interiors, 2010, 179, 157-163.	1.9	65
11	Melting experiments on peridotite to lowermost mantle conditions. Journal of Geophysical Research: Solid Earth, 2014, 119, 4684-4694.	3.4	65
12	Carbon-depleted outer core revealed by sound velocity measurements of liquid iron–carbon alloy. Nature Communications, 2015, 6, 8942.	12.8	55
13	Structural distortion of CaSnO3 perovskite under pressure and the quenchable post-perovskite phase as a low-pressure analogue to MgSiO3. Physics of the Earth and Planetary Interiors, 2010, 181, 54-59.	1.9	47
14	High pressure generation using double-stage diamond anvil technique: problems and equations of state of rhenium. High Pressure Research, 2018, 38, 107-119.	1.2	39
15	Sound velocity of liquid Feâ€Niâ€S at high pressure. Journal of Geophysical Research: Solid Earth, 2017, 122, 3624-3634.	3.4	32
16	The advanced ion-milling method for preparation of thin film using ion slicer: Application to a sample recovered from diamond-anvil cell. Review of Scientific Instruments, 2009, 80, 013901.	1.3	22
17	Melting experiments on Fe–Si–S alloys to core pressures: Silicon in the core?. American Mineralogist, 2018, 103, 742-748.	1.9	22
18	Static compression of B2 KCl to 230 GPa and its P-V-T equation of state. American Mineralogist, 2019, 104, 718-723.	1.9	20

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#	Article	IF	CITATIONS
19	Fe ₂ S: The Most Feâ€Rich Iron Sulfide at the Earth's Inner Core Pressures. Geophysical Research Letters, 2019, 46, 11944-11949.	4.0	17
20	Melting Phase Relations and Element Partitioning in MORB to Lowermost Mantle Conditions. Journal of Geophysical Research: Solid Earth, 2018, 123, 5515-5531.	3.4	15
21	Postâ€Perovskite Phase Transition in the Pyrolitic Lowermost Mantle: Implications for Ubiquitous Occurrence of Postâ€Perovskite Above CMB. Geophysical Research Letters, 2022, 49, .	4.0	11
22	High-pressure phase transitions of anorthosite crust in the Earth's deep mantle. Geoscience Frontiers, 2018, 9, 1859-1870.	8.4	10
23	Siliconâ€Depleted Presentâ€Day Earth's Outer Core Revealed by Sound Velocity Measurements of Liquid Feâ€Si Alloy. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019399.	3.4	10
24	Boron-doped diamond as a new heating element for internal-resistive heated diamond-anvil cell. High Pressure Research, 2018, 38, 120-135.	1.2	8
25	Experimental Determination of Eutectic Liquid Compositions in the MgOâ€SiO ₂ System to the Lowermost Mantle Pressures. Geophysical Research Letters, 2018, 45, 9552-9558.	4.0	8
26	High-pressure phase relation of KREEP basalts: A clue for finding the lost Hadean crust?. Physics of the Earth and Planetary Interiors, 2018, 274, 184-194.	1.9	6
27	New pressure-induced phase transition to Co2Si-type Fe2P. American Mineralogist, 2020, 105, 1752-1755.	1.9	5