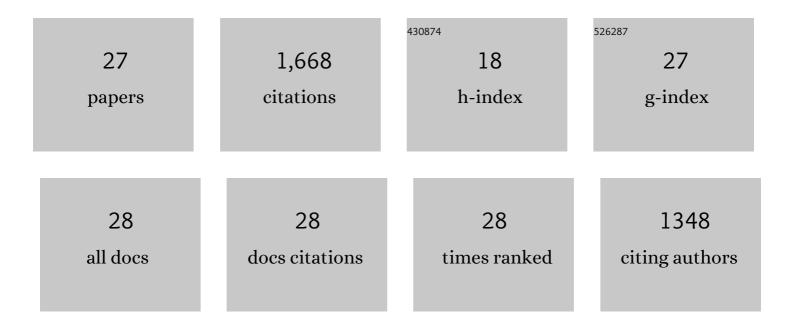
## Shigehiko Tateno

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	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
2	New pressure-induced phase transition to Co2Si-type Fe2P. American Mineralogist, 2020, 105, 1752-1755.	1.9	5
3	Siliconâ€Depleted Presentâ€Day Earth's Outer Core Revealed by Sound Velocity Measurements of Liquid Feâ€5i Alloy. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019399.	3.4	10
4	Fe <sub>2</sub> S: The Most Feâ€Rich Iron Sulfide at the Earth's Inner Core Pressures. Geophysical Research Letters, 2019, 46, 11944-11949.	4.0	17
5	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
6	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
7	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
8	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
9	High-pressure phase transitions of anorthosite crust in the Earth's deep mantle. Geoscience Frontiers, 2018, 9, 1859-1870.	8.4	10
10	Experimental Determination of Eutectic Liquid Compositions in the MgO‣iO <sub>2</sub> System to the Lowermost Mantle Pressures. Geophysical Research Letters, 2018, 45, 9552-9558.	4.0	8
11	Melting experiments on Fe–Si–S alloys to core pressures: Silicon in the core?. American Mineralogist, 2018, 103, 742-748.	1.9	22
12	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
13	Melting experiments on Fe–Fe 3 S system to 254 GPa. Earth and Planetary Science Letters, 2017, 464, 135-141.	4.4	73
14	Sound velocity of liquid Feâ€Niâ€S at high pressure. Journal of Geophysical Research: Solid Earth, 2017, 122, 3624-3634.	3.4	32
15	The structure of Fe–Si alloy in Earth's inner core. Earth and Planetary Science Letters, 2015, 418, 11-19.	4.4	77
16	Carbon-depleted outer core revealed by sound velocity measurements of liquid iron–carbon alloy. Nature Communications, 2015, 6, 8942.	12.8	55
17	Melting experiments on peridotite to lowermost mantle conditions. Journal of Geophysical Research: Solid Earth, 2014, 119, 4684-4694.	3.4	65
18	Spin crossover and iron-rich silicate melt in the Earth's deep mantle. Nature, 2011, 473, 199-202.	27.8	212

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#	Article	IF	CITATIONS
19	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
20	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
21	The Structure of Iron in Earth's Inner Core. Science, 2010, 330, 359-361.	12.6	408
22	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
23	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
24	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
25	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
26	Phase relations in Mg3Al2Si3O12to 180 GPa: Effect of Al on post-perovskite phase transition. Geophysical Research Letters, 2005, 32, .	4.0	65
27	Stability and equation of state of MgGeO3post-perovskite phase. American Mineralogist, 2005, 90, 262-265.	1.9	107