Chae Woo Ryu

List of Publications by Year
in descending order

13	310	1039880 9	1199470 12
papers	citations	h-index	g-index

13	13	13	394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioinspired nacre-like alumina with a bulk-metallic glass-forming alloy as a compliant phase. Nature Communications, 2019, 10, 961.	5.8	106
2	Utilization of high entropy alloy characteristics in Er-Gd-Y-Al-Co high entropy bulk metallic glass. Acta Materialia, 2018, 155, 350-361.	3.8	79
3	Origin of liquid fragility. Physical Review E, 2020, 102, 042615.	0.8	17
4	Split-pulse X-ray photon correlation spectroscopy with seeded X-rays from X-ray laser to study atomic-level dynamics. Nature Communications, 2020, 11, 6213.	5.8	16
5	Ideality of liquid structure: A case study for metallic alloy liquids. Physical Review E, 2020, 101, 030601.	0.8	16
6	Synthesis of bioinspired ice-templated bulk metallic glass-alumina composites with intertwined dendritic structure. Scripta Materialia, 2019, 172, 159-164.	2.6	13
7	Identifying Waterâ€“Anion Correlated Motion in Aqueous Solutions through Van Hove Functions. Journal of Physical Chemistry Letters, 2019, 10, 7119-7125.	2.1	13
8	Medium-range atomic correlation in simple liquids. I. Distinction from short-range order. Physical Review E, 2021, 104, 064109.	0.8	13
9	Medium-range atomic correlation in simple liquids. II. Theory of temperature dependence. Physical Review E, 2021, 104, 064110.	0.8	10
10	Why Is the Range of Timescale So Wide in Glass-Forming Liquid?. Frontiers in Chemistry, 2020, 8, 579169.	1.8	8
11	A criterion of ideal thermoplastic forming ability for metallic glasses. Scripta Materialia, 2020, 187, 221-226.	2.6	7
12	Anomalous behavior of glass-forming ability and mechanical response in a series of equiatomic binary to denary metallic glasses. Materialia, 2020, 9, 100505.	1.3	6
13	Structural Principles in Liquids and Glasses: Bottom-Up or Top-Down. Frontiers in Materials, 0, 9, .	1.2	6