

# Koichi Tanaka

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ion energies in high power impulse magnetron sputtering with and without localized ionization zones. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	25
2	Growth of elastically-stiff, nanostructured, high-entropy alloy nitride, (VNbTaMoW)N/Al <sub>2</sub> O <sub>3</sub> (0001) thin film. <i>Scripta Materialia</i> , 2021, 197, 113813.	2.6	18
3	Adding high time resolution to charge-state-specific ion energy measurements for pulsed copper vacuum arc plasmas. <i>Plasma Sources Science and Technology</i> , 2015, 24, 045010.	1.3	15
4	Effects of ultra-low ethylene partial pressure on microstructure and composition of reactively sputter-deposited TaC thin films. <i>Thin Solid Films</i> , 2019, 688, 137440.	0.8	14
5	Kinetics of Zr-Al intermetallic compound formation during ultra-high vacuum magnetron sputter-deposition of Zr/Al <sub>2</sub> O <sub>3</sub> (0001) thin films. <i>Acta Materialia</i> , 2018, 152, 34-40.	3.8	12
6	Self-Organized Growth of 111-Oriented (VNbTaMoW)N Nanorods on MgO(001). <i>Nano Letters</i> , 2021, 21, 577-582.	4.5	9
7	Temporal evolution of ion energy distribution functions and ion charge states of Cr and Cr-Al pulsed arc plasmas. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, 061301.	0.9	6
8	Influence of ultra-low ethylene partial pressure on microstructural and compositional evolution of sputter-deposited Zr-C thin films. <i>Surface and Coatings Technology</i> , 2020, 398, 126053.	2.2	6
9	Ultra-high vacuum dc magnetron sputter-deposition of 0001-textured trigonal $\hat{\pm}$ -Ta <sub>2</sub> C/Al <sub>2</sub> O <sub>3</sub> (0001) thin films. <i>Materialia</i> , 2020, 13, 100838.	1.3	6
10	Mechanical properties of compositionally-rich body-centered cubic VNbTaMoW alloy. <i>Materialia</i> , 2020, 12, 100746.	1.3	6
11	Stishovite nucleation at low shock pressures in soda-lime glass. <i>Acta Materialia</i> , 2021, 215, 117124.	3.8	4
12	Growth of heterolayered [cubic-TaC(111)+Rhombohedral-Ta <sub>3</sub> C <sub>2</sub> (0001)] nanocomposite thin films on Al <sub>2</sub> O <sub>3</sub> (0001). <i>Acta Materialia</i> , 2021, 204, 116499.	3.8	3
13	Room-temperature plasticity and size-dependent mechanical responses in small-scale B1-NbC(001) single-crystals. <i>Acta Materialia</i> , 2021, 221, 117384.	3.8	3