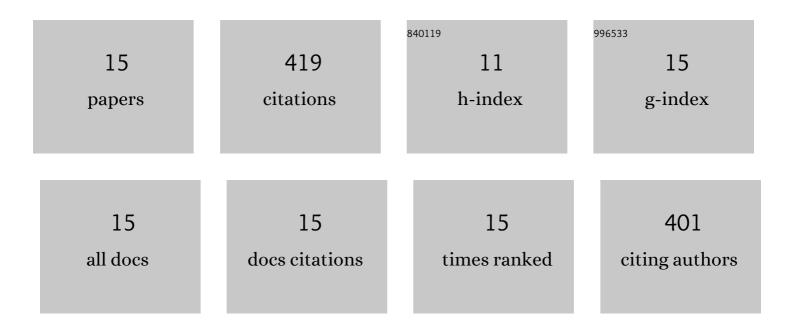
K Guruvidyathri

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Phase formation and thermal stability of CoCrFeNi and CoCrFeMnNi equiatomic high entropy alloys. Journal of Alloys and Compounds, 2019, 774, 856-864.	2.8	105
2	Thermal stability of AlCoFeMnNi high-entropy alloy. Scripta Materialia, 2019, 162, 465-467.	2.6	70
3	Novel rare-earth and transition metal-based entropy stabilized oxides with spinel structure. Scripta Materialia, 2020, 178, 513-517.	2.6	47
4	Evaluating the influence of microstructural attributes: Fraction, composition, size and spatial distribution of phases on the oxidation behaviour of high-entropy alloys. Corrosion Science, 2021, 184, 109381.	3.0	27
5	Gibbs energy-composition plots as a tool for high-entropy alloy design. Journal of Alloys and Compounds, 2018, 768, 358-367.	2.8	25
6	Phase evolution of refractory high-entropy alloy CrMoNbTiW during mechanical alloying and spark plasma sintering. Journal of Materials Research, 2019, 34, 756-766.	1.2	25
7	Topologically Close-packed Phase Formation in High Entropy Alloys: A Review of Calphad and Experimental Results. Jom, 2017, 69, 2113-2124.	0.9	24
8	Challenges in design and development of high entropy alloys: A thermodynamic and kinetic perspective. Scripta Materialia, 2020, 188, 37-43.	2.6	24
9	Thermoelectric properties of half-Heusler high-entropy Ti2NiCoSn1-xSb1+ (xÂ=Â0.5, 1) alloys with VEC>18. Scripta Materialia, 2020, 186, 375-380.	2.6	19
10	Novel Multicomponent B2-Ordered Aluminides: Compositional Design, Synthesis, Characterization, and Thermal Stability. Metals, 2020, 10, 1411.	1.0	15
11	Influence of processing route on the alloying behavior, microstructural evolution and thermal stability of CrMoNbTiW refractory high-entropy alloy. Journal of Materials Research, 2020, 35, 1556-1571.	1.2	13
12	Suppression of σ-phase in nanocrystalline CoCrFeMnNiV high entropy alloy by unsolicited contamination during mechanical alloying and spark plasma sintering. Materials Chemistry and Physics, 2020, 255, 123558.	2.0	10
13	Studies on Kinetics of BCC to FCC Phase Transformation in AlCoCrFeNi Equiatomic High Entropy Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1679-1688.	1.1	10
14	The first report on formation of Al-W-Cu grain boundary phase and its influence on mechanical behavior of 2D-WS2 reinforced Al-4Cu alloy matrix composites. Journal of Alloys and Compounds, 2021, 883, 160792.	2.8	3
15	Kinetics and phase formation during crystallization of Hf64Cu18Ni18 amorphous alloy. Phase Transitions, 2021, 94, 110-121.	0.6	2