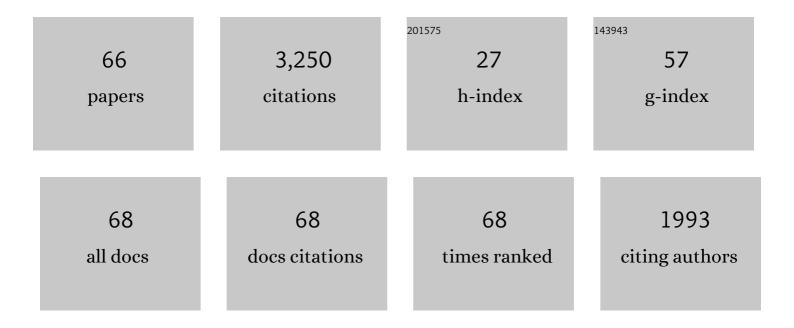
List of Publications by Year in descending order

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C. I. Shifi et

#	Article	IF	CITATIONS
1	Synthesis and Properties of Metallic Glasses That Contain Aluminum. Science, 1988, 241, 1640-1642.	6.0	517
2	Deformation-induced nanocrystal formation in shear bands of amorphous alloys. Nature, 1994, 367, 541-543.	13.7	488
3	Bainite viewed three different ways. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 1343-1380.	1.4	158
4	Atomic structure of amorphous Al ₉₀ Fe _x Ce _{<i>10â^'x</i>} . Journal of Materials Research, 1990, 5, 2807-2812.	1.2	134
5	Mg–Ca–Zn Bulk Metallic Glasses with High Strength and Significant Ductility. Journal of Materials Research, 2005, 20, 1935-1938.	1.2	132
6	Tough Fe-based bulk metallic glasses. Applied Physics Letters, 2008, 92, .	1.5	113
7	CaAl-based bulk metallic glasses with high thermal stability. Applied Physics Letters, 2004, 84, 37-39.	1.5	108
8	Formation of Bulk Metallic Glasses and Their Composites. MRS Bulletin, 2007, 32, 624-628.	1.7	100
9	On the effect of stress on nucleation and growth of precipitates in an Al-Cu-Mg-Ag alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 3431-3444.	1.1	96
10	Reassessment of Al-Ce and Al-Nd binary systems supported by critical experiments and first-principles energy calculations. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2005, 36, 3269-3279.	1.1	95
11	Mechanical properties of a new class of metallic glasses based on aluminum. Journal of Applied Physics, 1988, 64, 6863-6865.	1.1	90
12	Interfacial steps and growth mechanism in ferrous pearlites. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 1349-1365.	1.4	81
13	Formation of bulk metallic glasses in neodymium-based alloys. Philosophical Magazine Letters, 1994, 70, 371-377.	0.5	76
14	Focused ion-beam tomography. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2004, 35, 1935-1943.	1.1	69
15	Growth and overall transformation kinetics above the bay temperature in Fe-C-Mo alloys. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1990, 21, 1413-1432.	1.4	67
16	The effect of cold work on the precipitation of Ω and Î,′ in a ternary Al-Cu-Mg alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2003, 34, 2757-2769.	1.1	66
17	Alloy development for the enhanced stability of \hat{I} precipitates in Al-Cu-Mg-Ag alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2006, 37, 1091-1105.	1.1	61
18	Poisson's Ratio and Intrinsic Plasticity of Metallic Glasses. Applied Physics Letters, 2008, 92, .	1.5	61

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19	The pitsch-petch orientation relationship in ferrous pearlite at small undercooling. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1999, 30, 2767-2781.	1.1	55
20	Threeâ€dimensional reconstruction of WidmanstÃæten plates in Fe–12.3Mn–0.8C. Journal of Microscopy, 1997, 188, 36-41.	0.8	53
21	Topological and chemical ordering induced byNiandNdinAl87Ni7Nd6metallic glass. Physical Review B, 2004, 70, .	1.1	53
22	Indentation fracture toughness of amorphous steel. Journal of Materials Research, 2005, 20, 783-786.	1.2	51
23	Selected Corrosion Properties of a Novel Amorphous Al-Co-Ce Alloy System. Electrochemical and Solid-State Letters, 2005, 8, B1.	2.2	38
24	Structural relationship between icosahedral and Frank-Kasper phases of Al-Li-Cu. Philosophical Magazine Letters, 1987, 56, 63-68.	0.5	33
25	Local organization and atomic clustering in multicomponent amorphous steels. Physical Review B, 2008, 78, .	1.1	33
26	Enhanced bulk metallic glass formability by combining chemical compatibility and atomic size effects. Journal of Applied Physics, 2005, 97, 013512.	1.1	32
27	Fatigue behavior of an Fe48Cr15Mo14Er2C15B6 amorphous steel. Journal of Materials Research, 2007, 22, 544-550.	1.2	30
28	Magnetic properties and thermal stability of (Fe,Co)-Mo-B-P-Si metallic glasses. Journal of Applied Physics, 2012, 111, .	1.1	27
29	Discussion of "the bainite transformation in a silicon steel. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1985, 16, 457-466.	1.4	25
30	Growth of δ′ on dislocations in a dilute Al-Li alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 2073-2085.	1.1	22
31	Elastic properties of Ca-based metallic glasses predicted by first-principles simulations. Physical Review B, 2011, 84, .	1.1	21
32	Heterogeneous nucleation of σ′ on dislocations in a dilute aluminum-lithium alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1996, 27, 1599-1609.	1.1	19
33	Misfit accommodation by steps in cubic materials. Journal of Electronic Materials, 1991, 20, 785-791.	1.0	18
34	Stability investigation of a decagonal Al—Cu—Co quasicrystal. Philosophical Magazine Letters, 1991, 63, 211-216.	0.5	17
35	Growth kinetics and morphology of grain boundary ferrite allotriomorphs in an Fe-C-V alloy. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1985, 16, 521-527.	1.4	16
36	The interlamellar atomic habit plane in Cu-6% Be pearlite. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1988, 57, 457-466.	0.7	16

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37	Quantitative three-dimensional reconstruction of geometrically complex structures with nanoscale resolution. Review of Scientific Instruments, 2002, 73, 330-334.	0.6	16
38	Comparison of quasicrystalline (T2) and crystalline (R) structures in AlCuLi using high-resolution X-ray diffraction. Philosophical Magazine Letters, 1987, 56, 259-264.	0.5	15
39	Electronic structure of Fe-based amorphous alloys studied using electron-energy-loss spectroscopy. Physical Review B, 2008, 77, .	1.1	15
40	Local structure of Al-and Fe-based metallic glasses. Journal of Physics Condensed Matter, 2003, 15, S2357-S2364.	0.7	13
41	The cellular interlamellar and growth-front interphase boundaries in Cu-3 Wt pct Ti. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 2507-2518.	1.1	12
42	Quasicrystalline grain boundary precipitates in aluminium alloys through solidâ€solid transformations. Journal of Microscopy, 1987, 146, 323-335.	0.8	9
43	Structures of shear planes, intersection areas and translation domains in the Al5CuLi3Frank-Kasper phase. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1991, 64, 483-493.	0.7	9
44	Synchrotron X-ray studies of diffuse scattering in an Al–Cu–Co two-dimensional decagonal quasicrystal. Philosophical Magazine Letters, 1992, 66, 241-251.	0.5	9
45	Influence of erbium on the electronic structure of Fe(65â^'x)Mo14C15B6Erx (x=0,1,2) bulk metallic glasses. Journal of Applied Physics, 2009, 105, 023518.	1.1	9
46	Photoemission study of ternary to penternary Fe-based metallic glasses: Chemical analysis of surface and bulk. Journal of Applied Physics, 2007, 102, 033501.	1.1	8
47	The effect of undercooling on the cellular precipitation reaction in Cu-3 Pct Ti. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 2101-2110.	1.1	7
48	Austenite decomposition to carbide-rich products in Fe-0.30C-6.3W. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 3619-3633.	1.1	7
49	Increasing Coating Functionality Using Nanodimensioned Materials. ACS Symposium Series, 2009, , 126-155.	0.5	6
50	Transitions in carbide morphology in a ternary Fe-C-W steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 2087-2100.	1.1	5
51	Strain distribution effects on the low-cycle fatigue behavior of Fe-C-Mo steels. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 675-683.	1.4	4
52	Three new types of shear plane in the Al5CuLi3crystal structure. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1992, 65, 1395-1405.	0.7	4
53	Native Oxide Chemistry of Amorphous Al90Fe7Ce3 Alloy by Angle Resolved XPS. Surface Science Spectra, 1993, 2, 31-44.	0.3	4
54	Synthesis and Properties of Bulk Amorphous and Nanocrystalline Alloys. , 1995, , 43-52.		4

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55	Growth of Grain Boundary Precipitates as a Function of Misorientation in an Al-5 WT% Cu Alloy. Materials Research Society Symposia Proceedings, 1993, 319, 351.	0.1	3
56	Effect of the Supercooled Liquid Region on Al ₈₅ Ni ₇ Gd ₈ Metallic Glass Crystallization Products. Materials Research Society Symposia Proceedings, 2002, 754, 1.	0.1	3
57	Analysis of the Cu-3 Wt pct Ti cellular interphase boundary by various models. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2002, 33, 2495-2505.	1.1	3
58	Plastic Deformation-Induced Nanocrystalline Aluminum in Al-Based Amorphous Alloys. Materials Research Society Symposia Proceedings, 1993, 321, 251.	0.1	2
59	Correlation of amorphization effects in titanium solid solutions via mechanical milling and annealing. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1999, 79, 97-106.	0.7	2
60	Elastic Properties of Steps at Interphase Boundaries. Materials Research Society Symposia Proceedings, 1991, 238, 53.	0.1	1
61	Grain Boundary Precipitate Density as a Function of Time and Misorientation in an Al-5 WT% Cu Alloy. Materials Research Society Symposia Proceedings, 1993, 319, 357.	0.1	1
62	Bulk titanium-rich alloys containing nanoscale disordered regions. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1998, 29, 1821-1824.	1.1	1
63	The Effects of Sc Alloying in Y56Al24Ni10Co10 Glasses on the Local Atomic Structure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 1990-1993.	1.1	1
64	Phase Transitions in Al87Ni7Nd6. Materials Research Society Symposia Proceedings, 2003, 806, 374.	0.1	0
65	Fluctuations of the Local Atomic Environment with Chemical Alloying in Fe Bulk Metallic Glasses. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2011, 42, 1481-1485.	1.1	0

66 Aluminum-Rich Metallic Glasses. , 1995, , 53-71.

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