Jeffrey Wadsworth

List of Publications by Year
in descending order

24 papers	1,490 citations	623734 14 h-index	610901 24 g-index
24 all docs	24 docs citations	24 times ranked	867 citing authors

#	Article	IF	Citations
1	Connections: Superplasticity, Damascus Steels, Laminated Steels, and Carbon Dating. Jom, 2016, 68, 3150-3160.	1.9	3
2	Archeometallurgy related to swords. Materials Characterization, 2015, 99, 1-7.	4.4	18
3	Using radiocarbon dating to establish the age of iron-based artifacts. Jom, 2003, 55, 15-22.	1.9	50
4	Deformation of fine-grained alumina by grain boundary sliding accommodated by slip. Acta Materialia, 2003, 51, 3617-3634.	7.9	105
5	AMS Radiocarbon Dating of Rusty Iron. Journal of Archaeological Science, 2003, 30, 95-101.	2.4	13
6	Ancient and Modern Steels and Laminated Composites Containing Steels. MRS Bulletin, 2002, 27, 980-987.	3.5	9
7	Science and Technology and Counterterrorism. MRS Bulletin, 2002, 27, 348-352.	3.5	1
8	AMS Radiocarbon Dating of Ancient Iron Artifacts: A New Carbon Extraction Method in Use at LLNL. Radiocarbon, 2001, 43, 221-227.	1.8	21
9	Ancient blacksmiths, the Iron Age, Damascus steels, and modern metallurgy. Journal of Materials Processing Technology, 2001, 117, 347-353.	6.3	57
10	Processing, structure, and properties of a rolled, ultrahigh-carbon steel plate exhibiting a damask pattern. Materials Characterization, 2001, 46, 11-18.	4.4	36
11	Response to Verhoeven comments on Damascus steel. Materials Characterization, 2001, 47, 163-165.	4.4	9
12	Ancient and modern laminated composites â€" from the Great Pyramid of Gizeh to Y2K. Materials Characterization, 2000, 45, 289-313.	4.4	122
13	The knives of Frank J. Richtig as featured in Ripley's Believe It or Not!Â®. Materials Characterization, 2000, 45, 315-326.	4.4	5
14	Rebuttal to â€œIn defense of diffusional creepâ€• Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1996, 211, 66-71.	5.6	21
15	Superplasticity in Very Fine Grained Al-Based Alloys Produced by Mechanical Alloying. Materials Transactions, JIM, 1995, 36, 317-322.	0.9	3
16	Superplastic Gas-Pressure Deformiation of YTZ Sheet. Journal of the American Ceramic Society, 1993, 76, 1665-1672.	3.8	24
17	Harper-Dorn and Power-Law Creep in Single-Crystalline Magnesium Oxide. Journal of the American Ceramic Society, 1992, 75, 1737-1741.	3.8	14
18	Comments on â€œDamascus steel, part III: The Wadsworth-Sherby mechanismâ€•by Verhoeven et al.. Materials Characterization, 1992, 28, 165-172.	4.4	11

#	Article	IF	Citations
19	Role of Concurrent Cavitation in the Fracture of a Superplastic Zirconia-Alumina Composite. Journal of the American Ceramic Society, 1991, 74, 869-873.	3.8	49
20	Superplasticityâ€"Recent advances and future directions. Progress in Materials Science, 1989, 33, 169-221.	32.8	664
21	Dynamic Grain Growth During Superplastic Deformation of Yttria-Stabilized Tetragonal Zirconia Polycrystals. Journal of the American Ceramic Society, 1989, 72, 1469-1472.	3.8	111
22	Microstructural evidence for dynamic recrystallization during superplastic deformation. Scripta Metallurgica, 1987, 21, 1347-1351.	1.2	8
23	Damascus Steels. Scientific American, 1985, 252, 112-120.	1.0	53
24	On the Bulatâ€"Damascus steels revisited. Progress in Materials Science, 1980, 25, 35-68.	32.8	83