

# Joseph Bloch

## List of Publications by Year in descending order

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18  
papers

417  
citations

840776

11  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

254  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics and mechanisms of metal hydrides formation—a review. Journal of Alloys and Compounds, 1997, 253-254, 529-541.	5.5	163
2	The effect of thermal annealing on the hydriding kinetics of uranium. Journal of the Less Common Metals, 1990, 166, 241-251.	0.8	42
3	The hydriding kinetics of activated uranium powder under low (near equilibrium) hydrogen pressure. Journal of Alloys and Compounds, 2003, 361, 130-137.	5.5	34
4	The kinetics of a moving metal hydride layer. Journal of Alloys and Compounds, 2000, 312, 135-153.	5.5	31
5	Types of hydride phase development in bulk uranium and holmium. Journal of Nuclear Materials, 1982, 110, 251-255.	2.7	22
6	The initial stages of the reaction between ZrCo and hydrogen studied by hot-stage microscopy. Journal of Alloys and Compounds, 1998, 267, 158-166.	5.5	19
7	Influence of metal powder particle's shape on the kinetics of hydriding. International Journal of Hydrogen Energy, 2010, 35, 253-258.	7.1	19
8	The temperature-dependent changes of the kinetics and morphology of hydride formation in zirconium. Journal of Alloys and Compounds, 1995, 216, 187-195.	5.5	18
9	Heat-induced redistribution of surface oxide in uranium. Journal of Nuclear Materials, 1990, 173, 87-97.	2.7	16
10	The hydriding kinetics of $\beta$ -quenched uranium-0.1 wt.% chromium. Journal of Alloys and Compounds, 1996, 241, 224-231.	5.5	12
11	The hydriding kinetics of massive ZrCo. Journal of Alloys and Compounds, 2001, 325, 137-144.	5.5	12
12	Monte Carlo simulation of laser induced chemical vapor deposition. Journal of Applied Physics, 1991, 69, 4110-4115.	2.5	11
13	Analysis of the kinetics of hydride formation during the activation of massive intermetallic samples. Journal of Alloys and Compounds, 1998, 270, 194-202.	5.5	8
14	A theoretical study of laser-induced chemical vapor deposition. Surface Science, 1991, 257, 402-416.	1.9	3
15	The hydriding kinetics of bulk metallic holmium under 1bar H <sub>2</sub> and below 570K. Journal of Alloys and Compounds, 2008, 465, 190-196.	5.5	3
16	Water absorption in thermally grown oxides on SiC and Si: Bulk oxide and interface properties. Applied Physics Letters, 2014, 105, 191602.	3.3	3
17	Deuterium absorption from the D <sub>2</sub> O exposure of oxidized 4H-SiC (0001), (0001 $\bar{1}$ ), and (112 $\bar{0}$ ) surfaces. Applied Physics Letters, 2015, 106, 123502.	3.3	1
18	The Hydriding Kinetics of Activated Uranium Powder under Low (near Equilibrium) Hydrogen Pressure.. ChemInform, 2003, 34, no.	0.0	0