淡路マテリア Information

淡路マテリアが共著の FMS 合金関連論文の 2025 年引用数（2015 年以降累計引用数）

2025 年 12 月 12 日、Google Scholar 調べ

	論文題名	著者（青文字：淡路マテリア）	掲載誌名	引用数	
				2025 年	2015 年以降
1	Designing Fe–Mn–Si alloys with improved low-cycle fatigue lives	T. Sawaguchi, I. Nikulin, K. Ogawa, K. Sekido, S. Takamori, T. Maruyama, Y. Chiba, A. Kushibe, Y. Inoue, K. Tsuzaki	Scripta Materialia 2015/4/1, Vol. 99, p.49-52	12	178
2	Design concept and applications of Fe–Mn–Si-based alloys—from shape-memory to seismic response control	T. Sawaguchi, T. Maruyama, H. Otsuka, A. Kushibe, Y. Inoue, K. Tsuzaki	Materials Transactions 2016/3/1, Vol.57, No.3, p.283-293	19	184
3	Effect of strain amplitude on the low-cycle fatigue behavior of a new Fe–15Mn–10Cr–8Ni–4Si seismic damping alloy	I. Nikulin, T. Sawaguchi, A. Kushibe, Y. Inoue, H. Otsuka, K. Tsuzaki	International Journal of Fatigue 2016/7/1, Vol.88, p.132-141	9	83
4	Fatigue-resistant Fe-Mn-Si-based alloy seismic dampers to counteract long-period ground motion	Y. Inoue, A. Kushibe, K. Umemura, Y. Mizushima, T. Sawaguchi, T. Nakamura, H. Otsuka, Y. Chiba	Japan Architectural Review 2021/1, Vol.4, No.1, p.76-87	14	51
5	Low-cycle fatigue life and plasticity mechanisms of a Fe− 15Mn− 10Cr− 8Ni− 4Si seismic damping alloy under cyclic loading at various temperatures	T. Sawaguchi, I. Nikulin, K. Ogawa, S. Takamori, F. Yoshinaka, Y. Chiba, H. Otsuka, Y. Inoue, A. Kushibe	Acta Materialia 2021/11/1, Vol.220, 117267	15	41
6	Development of Manufacturing Technology for Fe-Mn-Si Alloys with Excellent Low-Cycle Fatigue Properties and Application to Seismic Dampers for Buildings	Y. Chiba, H. Otsuka, S. Amano, J. Inutsuka, Y. Iwasaki, Y. Inoue, S. Motomura, A. Kushibe, T. Sawaguchi, T. Nakamura	Materials Transactions 2024/12/1, Vol.65, No.12 p.1583-1587	1	1
合計				70*	538*
参考	Effects of alloying additions on Fe-Mn-Si shape memory alloys (関連論文で最多引用)	H. Otsuka, H. Yamada, T. Maruyama, H. Tanahashi, S. Matsuda, M. Murakami	ISIJ international 1990/8/15, Vol.30, No.8, p.674-679	26**	220** 公開からの合計は 465
*, **の合計				96	758