

Satoshi Watanabe

List of Publications by Year in descending order

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14
papers

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1937685

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1872680

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14
all docs

14
docs citations

14
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27
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient shift of local oxygen potential in nonstoichiometric oxides upon application of mechanical stress. Journal of Electroceramics, 2014, 32, 78-85.	2.0	7
2	Influences of Ni content and porosity on mechanical properties of Ni-YSZ composites under solid oxide fuel cell operating conditions. Journal of Materials Science, 2020, 55, 8679-8693.	3.7	7
3	Relationship between microstructure and deformation of porous Ni-based cermets under redox cycling. SN Applied Sciences, 2021, 3, 1.	2.9	7
4	Mechanical Properties Evaluation Method for Non-Stoichiometric Materials under High Temperature and Oxidizing/Reducing Conditions. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2011, 77, 1357-1366.	0.2	4
5	Mechanical Properties of Ni-YSZ Cermet Anode under SOFC Operating Condition by Using In-Situ Mechanical Testing Method. Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A, 2012, 78, 349-360.	0.2	2
6	The Effect of Coexisting Oxides Upon Carbon Formation on Ni Surface. ECS Transactions, 2013, 57, 1571-1576.	0.5	2
7	J0802-4-3 Investigation of Mechanical Properties of $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\delta}$ at High Temperatures in Controlled Atmospheres Using Resonance Method. The Proceedings of the JSME Annual Meeting, 2010, 2010.7, 233-234.	0.0	0
8	J0802-4-4 Development of a gas environment controlled materials testing system for SOFCs. The Proceedings of the JSME Annual Meeting, 2010, 2010.7, 235-236.	0.0	0
9	J0802-4-5 Effect of Redox cycling on mechanical properties of Ni-YSZ for SOFC anodes. The Proceedings of the JSME Annual Meeting, 2010, 2010.7, 237-238.	0.0	0
10	J0802-4-2 Investigation of Mechanical Properties of SOFC Electrolytes at High Temperature. The Proceedings of the JSME Annual Meeting, 2010, 2010.7, 231-232.	0.0	0
11	178 Effect of temperature on the mechanical properties of Ni/NiO-YSZ cermets for SOFC anodes. The Proceedings of Conference of Tohoku Branch, 2012, 2012.47, 162-163.	0.0	0
12	130 Evaluation of mechanical properties of Ni-YSZ cermets for SOFCs under simulated environments of redox cycling. The Proceedings of Conference of Tohoku Branch, 2013, 2013.48, 62-63.	0.0	0
13	OS1603 Mechanical properties evaluations under simulated operating condition for SOFC materials. The Proceedings of the Materials and Mechanics Conference, 2014, 2014, _OS1603-1_-_OS1603-3_.	0.0	0
14	OS15-2 Determination of Fracture Properties in Ion Conducting Ceramics under Simulated Operating Conditions for Solid Oxide Fuel Cells(Durability and reliability of next-generation energy systems) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2 ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 214.	0.0	0