

# Valter Ussui

## List of Publications by Year in descending order

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33  
papers

287  
citations

1162889

8  
h-index

940416

16  
g-index

33  
all docs

33  
docs citations

33  
times ranked

419  
citing authors

#	ARTICLE	IF	CITATIONS
1	Y-TZP ceramic processing from coprecipitated powders: A comparative study with three commercial dental ceramics. <i>Dental Materials</i> , 2008, 24, 1676-1685.	1.6	63
2	Physico-chemical characterization and biocompatibility of hydroxyapatite derived from fish waste. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 80, 137-142.	1.5	41
3	Analysis <i>in vitro</i> of the cytotoxicity of potential implant materials. I: Zirconia-titania sintered ceramics. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 94B, 305-311.	1.6	34
4	Physico-chemical characterization of zirconia-titania composites coated with an apatite layer for dental implants. <i>Dental Materials</i> , 2013, 29, 954-962.	1.6	29
5	Effect of titania content and biomimetic coating on the mechanical properties of the Y-TZP/TiO <sub>2</sub> composite. <i>Dental Materials</i> , 2018, 34, 238-245.	1.6	13
6	High Purity Zirconia and Silica Powders via Wet Process: Alkali Fusion of Zircon Sand. <i>Materials Science Forum</i> , 0, 591-593, 771-776.	0.3	12
7	The influence of sulphur on the processing of zirconia based ceramics. <i>Journal of the European Ceramic Society</i> , 2002, 22, 2813-2820.	2.8	11
8	Synthesis of ZrO <sub>2</sub> -Based Ceramics for Applications in SOFC. <i>Materials Science Forum</i> , 2003, 416-418, 681-687.	0.3	11
9	Characterization of the Apatite Formation on the Surfaces of Zirconia and Alumina Ceramics in Body Environments. <i>Materials Science Forum</i> , 0, 591-593, 697-702.	0.3	10
10	Influence of the starting materials on performance of high temperature oxide fuel cells devices. <i>Materials Research</i> , 2004, 7, 215-220.	0.6	9
11	Synthesis and Characterization of NiO-8YSZ Powders by Coprecipitation Route. <i>Materials Science Forum</i> , 2005, 498-499, 612-617.	0.3	9
12	The Influence of Ageing in Pseudoboehmites Synthesis. <i>Materials Science Forum</i> , 2012, 727-728, 1795-1801.	0.3	6
13	Evaluation of Hardness and Fracture Toughness of TZP Ceramics Stabilized with Ytria Concentrates. <i>Materials Science Forum</i> , 2003, 416-418, 555-560.	0.3	4
14	Effect of Calcination Conditions on Phase Formation of Calcium Phosphates Ceramics Synthesized by Homogeneous Precipitation. <i>Materials Science Forum</i> , 2006, 530-531, 612-617.	0.3	4
15	The Role of Light Rare Earths in the Thermal Degradation Behaviour of ZrO <sub>2</sub> -CeO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> Ceramics. <i>Materials Science Forum</i> , 2003, 416-418, 573-578.	0.3	3
16	Combustion Synthesis of NiO/YSZ Composite. <i>Materials Science Forum</i> , 0, 591-593, 777-783.	0.3	3
17	Spray-Dried YSZ Ceramic Powders: Influence of Slurry Stability on Physical Characteristics of Agglomerates. <i>Materials Science Forum</i> , 2008, 591-593, 465-470.	0.3	3
18	Hydrothermal Treatment of Coprecipitated YSZ Powders. <i>Materials Science Forum</i> , 0, 660-661, 983-988.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Aging Behavior of Commercial and Synthesized Dental Y-TZP Ceramics. Materials Science Forum, 0, 820, 297-302.	0.3	3
20	Comparison of a laboratorial scale synthesized and a commercial yttria-tetragonal zirconia polycrystals ceramics submitted to microwave sintering. International Journal of Applied Ceramic Technology, 2019, 16, 2020-2027.	1.1	3
21	Evaluation of the Effect of Heavy Rare Earth Elements on Electrical Resistivity of Zirconia-Yttria Ceramics. Materials Science Forum, 2005, 498-499, 305-310.	0.3	2
22	Influence of Organic Solvent on Solvothermal Synthesis of Samaria and Gadolinia Doped Ceria " Nickel Oxide Composites. Materials Science Forum, 2012, 727-728, 1317-1322.	0.3	2
23	<i>Ab initio</i> atomistic description of temperature-induced phase changes: The cases of zirconia and Ti-Y-co-doped zirconia. Physical Review Materials, 2021, 5, .	0.9	2
24	3YTZP-Al <sub>2</sub> O <sub>3</sub> Powders Synthesized by the Coprecipitation Route. Materials Science Forum, 2006, 530-531, 677-682.	0.3	1
25	Influence of Synthesis Route on Phase Formation and Sinterability of Hydroxyapatite-Zirconia Composites. Materials Science Forum, 0, 591-593, 722-727.	0.3	1
26	Synthesis of Nickel Oxide - Zirconia Composites by Coprecipitation Route Followed by Hydrothermal Treatment. Materials Science Forum, 0, 660-661, 977-982.	0.3	1
27	Synthesis and Characterization of Porous ZrO <sub>2</sub> -Y <sub>2</sub> O <sub>3</sub> -TiO <sub>2</sub> Ceramics Prepared by Coprecipitation. Materials Science Forum, 2012, 727-728, 1387-1392.	0.3	1
28	Effect of Solvothermal Treatment on Physical Properties of Nickel and Aluminum Based Oxide Powders Synthesized by Coprecipitation. Materials Science Forum, 0, 820, 73-78.	0.3	1
29	Europium-Doped Hydroxyapatite: Influence of Excitation Wavelength on the Eu <sup>3+</sup> Luminescence in the Hydroxyapatite. Materials Science Forum, 2015, 820, 335-340.	0.3	1
30	Effect of the bonding strategy on the tensile retention of full-contour zirconia crowns. International Journal of Adhesion and Adhesives, 2018, 85, 106-112.	1.4	1
31	Hydrothermal Synthesis of Nanostructured Titania. Materials Science Forum, 0, 660-661, 788-793.	0.3	0
32	The Effect of Hydrothermal Treatment on Samaria and Gadolinia Doped Ceria Powders Synthesized by Coprecipitation. Materials Science Forum, 2010, 660-661, 959-964.	0.3	0
33	Titania-silica Composite with Photocatalytic Properties and Its Application on Brazilian Granite and Sandstone. International Journal of Architectural Heritage, 2023, 17, 770-787.	1.7	0