

# Giampiero Montesperelli

## List of Publications by Year in descending order

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28  
papers

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citations

471509  
17  
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501196  
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docs citations

28  
times ranked

755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructure and Electrical Properties of MgAl <sub>2</sub> O <sub>4</sub> Thin Films for Humidity Sensing. Journal of the American Ceramic Society, 1993, 76, 743-750.	3.8	125
2	Sol-gel processed TiO <sub>2</sub> -based thin films as innovative humidity sensors. Sensors and Actuators B: Chemical, 1995, 25, 705-709.	7.8	82
3	Humidity-Sensitive Properties of Titania Films Prepared Using the Sol-Gel Process. Journal of the Ceramic Society of Japan, 1993, 101, 1095-1100.	1.3	51
4	XPS analysis of the interface of ceramic thin films for humidity sensors. Applied Surface Science, 1993, 70-71, 363-366.	6.1	45
5	An EIS study of the humidity-sensitive electrical conduction of alkali-doped TiO <sub>2</sub> films. Electrochimica Acta, 1996, 41, 1359-1368.	5.2	43
6	Humidity-sensitive electrical properties of MgAl <sub>2</sub> O <sub>4</sub> thin films. Sensors and Actuators B: Chemical, 1993, 14, 525-527.	7.8	35
7	Humidity sensitivity of sputtered TiO <sub>2</sub> thin films. Sensors and Actuators B: Chemical, 1994, 19, 525-528.	7.8	35
8	A systematic study on EN-998-2 premixed mortars modified with graphene-based materials. Construction and Building Materials, 2019, 227, 116701.	7.2	35
9	Electrochemical and mechanical behaviour of Sn <sub>2</sub> Ag <sub>0.5</sub> Cu and Sn <sub>48</sub> Bi <sub>2</sub> Zn solders. Materials and Corrosion - Werkstoffe Und Korrosion, 2008, 59, 662-669.	1.5	34
10	The effect of pretreatments with siloxanes on the corrosion resistance of aluminium in NaCl solution. Surface and Coatings Technology, 1999, 111, 240-246.	4.8	32
11	Toward a better understanding of multifunctional cement-based materials: The impact of graphite nanoplatelets (GNPs). Ceramics International, 2021, 47, 20019-20031.	4.8	32
12	High performance cementitious nanocomposites: The effectiveness of nano-Graphite (nG). Construction and Building Materials, 2020, 259, 119687.	7.2	28
13	Electrospun polymeric coatings on aluminum alloy as a straightforward approach for corrosion protection. Journal of Applied Polymer Science, 2015, 132, .	2.6	25
14	Cathodic protection of carbon steel in natural seawater: Effect of sunlight radiation. Electrochimica Acta, 2009, 54, 6472-6478.	5.2	24
15	X-ray photoelectron spectroscopy investigation of MgAl <sub>2</sub> O <sub>4</sub> thin films for humidity sensors. Journal of Materials Research, 1994, 9, 1426-1433.	2.6	22
16	High density Gd-substituted yttrium iron garnets by coprecipitation. Materials Chemistry and Physics, 2008, 107, 274-280.	4.0	21
17	Ceria/stannate multilayer coatings on AZ91D Mg alloy. Surface and Coatings Technology, 2012, 206, 4855-4863.	4.8	21
18	Surface composition of alkali-doped TiO <sub>2</sub> films for sensors investigated by XPS. Sensors and Actuators B: Chemical, 1995, 25, 886-888.	7.8	11

#	ARTICLE	IF	CITATIONS
19	Electrospun protective self-healing coatings for light alloys: A better understanding of the intrinsic potential of the technology. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	10
20	Extra-Low Dosage Graphene Oxide Cementitious Nanocomposites: A Nano- to Macroscale Approach. <i>Nanomaterials</i> , 2021, 11, 3278.	4.1	10
21	Assessment of in vitro temporal corrosion and cytotoxicity of AZ91D alloy. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2553-2562.	3.6	9
22	Effect of Al <sub>2</sub> O <sub>3</sub> reinforcement and precipitates on corrosion behaviour of 2618 and 6061 aluminium MMCs. <i>Corrosion Engineering Science and Technology</i> , 2019, 54, 601-613.	1.4	9
23	A multidisciplinary approach to the mortars characterization from the Town Walls of Gubbio (Perugia, Italy). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 142, 1721-1737.	3.6	9
24	Advances in jewellery microcasting. <i>Thermochimica Acta</i> , 2004, 419, 195-204.	2.7	7
25	Low-temperature titania coatings for aluminium corrosion protection. <i>Corrosion Engineering Science and Technology</i> , 2018, 53, 44-53.	1.4	5
26	The Case Study of the Medieval Town Walls of Gubbio in Italy: First Results on the Characterization of Mortars and Binders. <i>Heritage</i> , 2018, 1, 468-478.	1.9	5
27	Electrochemical noise for corrosion detection. <i>Corrosion Reviews</i> , 2011, 29, .	2.0	3
28	Studies related to cephalosporins.IV. Electrophilic addition to 3-exomethylene-1-cephams. The addition of phenylselenenyl chloride.. <i>Tetrahedron Letters</i> , 1987, 28, 5539-5542.	1.4	2