

# Francesco Tessarolo

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

1,107  
citations

430442

18  
h-index

433756

31  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1594  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring breathability and bacterial filtration efficiency of face masks in the pandemic context: A round robin study with proficiency testing among non-accredited laboratories. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110481.	2.5	10
2	Solid-state field-assisted ion exchange of Ag in lithium aluminum silicate glass-ceramics: A superfast processing route toward stronger materials with antimicrobial properties. Journal of the European Ceramic Society, 2022, 42, 1750-1761.	2.8	10
3	A Simple Method to Quantify Outward Leakage of Medical Face Masks and Barrier Face Coverings: Implication for the Overall Filtration Efficiency. International Journal of Environmental Research and Public Health, 2022, 19, 3548.	1.2	16
4	Testing Surgical Face Masks in an Emergency Context: The Experience of Italian Laboratories during the COVID-19 Pandemic Crisis. International Journal of Environmental Research and Public Health, 2021, 18, 1462.	1.2	17
5	Rhamnolipid coating reduces microbial biofilm formation on titanium implants: an in vitro study. BMC Oral Health, 2021, 21, 49.	0.8	18
6	Quantitative MRI T2 Mapping is Able to Assess Tissue Quality After Reparative and Regenerative Treatments of Osteochondral Lesions of the Talus. Journal of Magnetic Resonance Imaging, 2021, 54, 1572-1582.	1.9	5
7	Solid state field-assisted silver ion exchange in porcelain stoneware: A new route toward antimicrobial tiles?. Journal of the European Ceramic Society, 2021, 41, 3755-3760.	2.8	7
8	Counter-Acting Candida albicans-Staphylococcus aureus Mixed Biofilm on Titanium Implants Using Microbial Biosurfactants. Polymers, 2021, 13, 2420.	2.0	13
9	COLAEVA: Visual Analytics and Data Mining Web-Based Tool for Virtual Coaching of Older Adult Populations. Sensors, 2021, 21, 7991.	2.1	0
10	Remote Center of Motion and Synchronized Rotation for a Motorized Surgical Table. , 2020, , .		1
11	Surgical treatment of talar osteo-chondral lesions with micro-fractures, mesenchymal cells grafting on membrane, or allograft: Mid-term clinical and magnetic resonance assessment. Journal of Orthopaedics, 2020, 21, 416-420.	0.6	8
12	Strong oral plaque microbiome signatures for dental implant diseases identified by strain-resolution metagenomics. Npj Biofilms and Microbiomes, 2020, 6, 47.	2.9	54
13	Monitoring Steam Penetration in Channeled Instruments: An Evidence-Based Worst-Case for Practical Situations. Frontiers in Medical Technology, 2020, 2, 566143.	1.3	1
14	Morphological MRI of knee cartilage: repeatability and reproducibility of damage evaluation and correlation with gross pathology examination. European Radiology, 2020, 30, 3226-3235.	2.3	12
15	Inhibitory Effects of Lipopeptides and Glycolipids on C. albicans and Staphylococcus spp. Dual-Species Biofilms. Frontiers in Microbiology, 2020, 11, 545654.	1.5	26
16	Microscopic Observation of Proliferative Membranes in Fibrocontractive Retinal Disorders. Journal of Ophthalmology, 2019, 2019, 1-10.	0.6	6
17	Dental Implants with Anti-Biofilm Properties: A Pilot Study for Developing a New Sericin-Based Coating. Materials, 2019, 12, 2429.	1.3	21
18	Assessing the accuracy of computer-planned osteotomy guided by stereolithographic template: A methodological framework applied to the mandibular bone harvesting. Computers in Biology and Medicine, 2019, 114, 103435.	3.9	13

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19	Upregulation of miR-133b and miR-328 in Patients With Atrial Dilatation: Implications for Stretch-Induced Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2019, 10, 1133.	1.3	21
20	A survey to quantify wet loads after steam sterilization processes in healthcare facilities. <i>Journal of Hospital Infection</i> , 2019, 103, e105-e109.	1.4	4
21	Medical-Grade Silicone Coated with Rhamnolipid R89 Is Effective against <i>Staphylococcus</i> spp. Biofilms. <i>Molecules</i> , 2019, 24, 3843.	1.7	36
22	User-centered co-design and AGILE methodology for developing ambient assisting technologies: Study plan and methodological framework of the CAPTAIN project. , 2019, , .		5
23	A New Approach for Ageing at Home: The CAPTAIN System. <i>Studies in Health Technology and Informatics</i> , 2019, 264, 1704-1705.	0.2	10
24	Prostate calcifications: A case series supporting the microbial biofilm theory. <i>Investigative and Clinical Urology</i> , 2018, 59, 187.	1.0	13
25	Inhibition of <i>Candida albicans</i> biofilm by lipopeptide AC7 coated medical-grade silicone in combination with farnesol. <i>AIMS Bioengineering</i> , 2018, 5, 192-208.	0.6	18
26	Selection of reference genes is critical for miRNA expression analysis in human cardiac tissue. A focus on atrial fibrillation. <i>Scientific Reports</i> , 2017, 7, 41127.	1.6	74
27	Surface and Thermal Characteristics of Single-Use Electrosurgical Pencils After Clinical Reuse and In-Hospital Reprocessing. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2017, 11, .	0.4	1
28	Early healing of peri-implant mucosa in man. <i>Journal of Clinical Periodontology</i> , 2016, 43, 816-824.	2.3	46
29	A spectral approach for the quantitative description of cardiac collagen network from nonlinear optical imaging. , 2015, 2015, 6257-60.		0
30	A Multi-techniques Approach to assess reprocessing of Single-use electrosurgical pencils. , 2015, 2015, 6876-9.		1
31	Variability of ATP amount in last rinse water of automated washer-disinfectors demands monitoring of every load. <i>Journal of Hospital Infection</i> , 2015, 91, 87-89.	1.4	1
32	Inhibition of <i>Candida albicans</i> adhesion on medical-grade silicone by a <i>Lactobacillus</i> -derived biosurfactant. <i>Journal of Applied Microbiology</i> , 2015, 118, 1116-1125.	1.4	84
33	Photodamage in deep tissue two-photon optical biopsy of human skin. <i>Journal of Biophotonics</i> , 2015, 8, 816-825.	1.1	6
34	Quantification of Fibrin in Blood Thrombi Formed in Hemodialysis Central Venous Catheters: A Pilot Study on 43 CVCs. <i>Journal of Vascular Access</i> , 2014, 15, 278-285.	0.5	3
35	Blood Flow in Hemodialysis Catheters: A Numerical Simulation and Microscopic Analysis of In Vivo Formed Fibrin. <i>Artificial Organs</i> , 2014, 38, 556-565.	1.0	23
36	Effect of Chlorhexidine in Preventing Plaque Biofilm on Healing Abutment. <i>Implant Dentistry</i> , 2014, 23, 64-68.	1.7	20

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37	Size controlled hydroxyapatite and calcium carbonate particles: Synthesis and their application as templates for SERS platform. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 118, 243-248.	2.5	45
38	Morphogenesis of peri-implant mucosa revisited: an experimental study in humans. <i>Clinical Oral Implants Research</i> , 2014, 25, 997-1003.	1.9	102
39	Solidago, orthosiphon, birch and cranberry extracts can decrease microbial colonization and biofilm development in indwelling urinary catheter: a microbiologic and ultrastructural pilot study. <i>World Journal of Urology</i> , 2014, 32, 1007-1014.	1.2	22
40	Macromolecule Loading into Spherical, Elliptical, Star-Like and Cubic Calcium Carbonate Carriers. <i>ChemPhysChem</i> , 2014, 15, 2817-2822.	1.0	72
41	Assessing Composition of Coronary Thrombus in STEMI Patients - A Multiscale Approach to Characterize Samples Obtained by Catheter Aspiration. , 2014, , .		0
42	Effects of mushroom and chicory extracts on the shape, physiology and proteome of the cariogenic bacterium <i>Streptococcus mutans</i> . <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 117.	3.7	14
43	Hemodialysis Catheter Thrombi: Visualization and Quantification of Microstructures and Cellular Composition. <i>Journal of Vascular Access</i> , 2013, 14, 257-263.	0.5	7
44	Critical Issues in Reprocessing Single-Use Medical Devices for Interventional Cardiology. , 2011, , .		2
45	A multimodal approach for tracing lateralisation along the olfactory pathway in the honeybee through electrophysiological recordings, morpho-functional imaging, and behavioural studies. <i>European Biophysics Journal</i> , 2011, 40, 1247-1258.	1.2	25
46	Effects of Mushroom and Chicory Extracts on the Physiology and Shape of <i>Prevotella intermedia</i> , a Periodontopathogenic Bacterium. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-8.	3.0	16
47	Morpho-functional asymmetry of the olfactory receptors of the honeybee ( <i>Apis mellifera</i> ). <i>Behavioural Brain Research</i> , 2010, 209, 221-225.	1.2	85
48	Hybrid nanostructured supports for surface enhanced Raman scattering. <i>Applied Surface Science</i> , 2009, 255, 7652-7656.	3.1	8
49	Multidisciplinary approach for in-deep assessment of joint prosthesis failure. , 2009, 2009, 4254-7.		0
50	Health Technology Assessment on Reprocessing Single-use Catheters for Cardiac Electrophysiology: Results of a Three-years Study. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 1758-61.	0.5	3
51	Microbial Biofilm Imaging ESEM vs. HVSEM. <i>Imaging &amp; Microscopy</i> , 2007, 9, 44-47.	0.1	7
52	Different experimental protocols for decontamination affect the cleaning of medical devices. A preliminary electron microscopy analysis. <i>Journal of Hospital Infection</i> , 2007, 65, 326-333.	1.4	18
53	Sterility and Microbiological Assessment of Reused Single-Use Cardiac Electrophysiology Catheters. <i>Infection Control and Hospital Epidemiology</i> , 2006, 27, 1385-1392.	1.0	15
54	Efficiency in endotoxin removal by a reprocessing protocol for electrophysiology catheters based on hydrogen peroxide plasma sterilization. <i>International Journal of Hygiene and Environmental Health</i> , 2006, 209, 557-565.	2.1	25

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55	Functional properties and performance of new and reprocessed coronary angioplasty balloon catheters. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 78B, 364-372.	1.6	15
56	Radiofrequency Ablation on Heart-equivalent Phantom. Functionality Testing of Percutaneous Single-use Catheter.. , 2005, , 229-233.		2
57	Radiofrequency ablation on Heart-equivalent Phantom. Functionality testing of percutaneous single-use catheter. , 2005, , 229-233.		1
58	Evaluation and quantification of reprocessing modification in single-use devices in interventional cardiology. <i>Applied Surface Science</i> , 2004, 238, 341-346.	3.1	15
59	Developing ambient assisted living technologies exploiting potential of user-centred co-creation and agile methodology: the CAPTAIN project experience. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 0, , 1.	3.3	3