

Giovanni Caruso

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

279
citations

933447

10
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

119
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion of the Second Messengers in the Cytoplasm Acts as a Variability Suppressor of the Single Photon Response in Vertebrate Phototransduction. <i>Biophysical Journal</i> , 2008, 94, 3363-3383.	0.5	47
2	Mathematical Model of the Spatio-Temporal Dynamics of Second Messengers in Visual Transduction. <i>Biophysical Journal</i> , 2003, 85, 1358-1376.	0.5	36
3	Identification of key factors that reduce the variability of the single photon response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7804-7807.	7.1	31
4	Modeling the Role of Incisures in Vertebrate Phototransduction. <i>Biophysical Journal</i> , 2006, 91, 1192-1212.	0.5	28
5	Dynamics of mouse rod phototransduction and its sensitivity to variation of key parameters. <i>IET Systems Biology</i> , 2010, 4, 12-32.	1.5	26
6	Kinetics of Rhodopsin Deactivation and Its Role in Regulating Recovery and Reproducibility of Rod Photoresponse. <i>PLoS Computational Biology</i> , 2010, 6, e1001031.	3.2	23
7	Mathematical and computational modelling of spatio-temporal signalling in rod phototransduction. <i>IET Systems Biology</i> , 2005, 152, 119.	2.0	19
8	Interface thermal conductance characterization by infrared thermography: A tool for the study of insertions in bronze ancient Statuary. <i>Infrared Physics and Technology</i> , 2018, 90, 31-39.	2.9	18
9	Quantitative evaluations by infrared thermography in optically semi-transparent paper-based artefacts. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 143, 258-266.	5.0	16
10	Photothermal approach for cultural heritage research. <i>Journal of Applied Physics</i> , 2020, 128, 180904.	2.5	11
11	Depth-Resolved Analysis of Double-Layered Cultural Heritage Artifacts by Pulsed Thermography. <i>International Journal of Thermophysics</i> , 2020, 41, 1.	2.1	6
12	The Boxer at Rest and the Hellenistic Prince: A comparative thermographic study. <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 115-121.	0.5	5
13	Phototransduction in retinal cones: Analysis of parameter importance. <i>PLoS ONE</i> , 2021, 16, e0258721.	2.5	5
14	Multi-scale, numerical modeling of spatio-temporal signaling in cone phototransduction. <i>PLoS ONE</i> , 2019, 14, e0219848.	2.5	4
15	3D heat flow effects in the imaging of subsurface graphical features in semi-transparent media by pulsed thermography. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 185, 110111.	5.0	2
16	A Technical Examination of the Great Bronzes of the Museo Nazionale Romano. <i>Studies in Conservation</i> , 2023, 68, 326-342.	1.1	2