

# Jacopo Boaga

## List of Publications by Year in descending order

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74  
papers

1,585  
citations

331670

21  
h-index

345221

36  
g-index

89  
all docs

89  
docs citations

89  
times ranked

1743  
citing authors

#	ARTICLE	IF	CITATIONS
1	Velocity gradients choice affecting seismic site response in deep alluvial basins: Application to the Venetian Plain (Northern Italy). <i>Journal of Geophysics and Engineering</i> , 2022, 19, 1-13.	1.4	5
2	Characterization of Distant and Moderate Earthquakes with Inexpensive MEMS Sensors: Application to the Mw 6.3, 29th December 2020, Petrinja Event. <i>Sensors</i> , 2022, 22, 4166.	3.8	0
3	Impact of Anthropogenic Activities on Underwater Noise Pollution in Venice. <i>Water, Air, and Soil Pollution</i> , 2022, 233, .	2.4	0
4	Electrical and Electromagnetic Geophysical Prospecting for the Monitoring of Rock Glaciers in the Dolomites, Northeast Italy. <i>Sensors</i> , 2021, 21, 1294.	3.8	10
5	Tackling Lateral Variability Using Surface Waves: A Tomography-Like Approach. <i>Surveys in Geophysics</i> , 2021, 42, 317-338.	4.6	5
6	Small Local Earthquake Detection Using Low-Cost MEMS Accelerometers: Examples in Northern and Central Italy. <i>The Seismic Record</i> , 2021, 1, 20-26.	3.1	11
7	Impact of genesis and abandonment processes of a fluvial meander on geometry and grain-size distribution of the associated point bar (Venetian Plain, Italy). <i>Marine and Petroleum Geology</i> , 2021, 127, 104951.	3.3	9
8	Thermal modeling of a Swiss urban aquifer and implications for geothermal heat pump systems. <i>Hydrogeology Journal</i> , 2021, 29, 2187.	2.1	4
9	Multi-drive level Vibroseis test to evaluate the non-linear response of soft soils. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 149, 106861.	3.8	1
10	The 2020 coronavirus lockdown and seismic monitoring of anthropic activities in Northern Italy. <i>Scientific Reports</i> , 2020, 10, 9404.	3.3	57
11	Geophysical and Sedimentological Investigations Integrate Remote-Sensing Data to Depict Geometry of Fluvial Sedimentary Bodies: An Example from Holocene Point-Bar Deposits of the Venetian Plain (Italy). <i>Remote Sensing</i> , 2020, 12, 2568.	4.0	11
12	Remote Sensing, Archaeological, and Geophysical Data to Study the Terramare Settlements: The Case Study of Fondo Paviani (Northern Italy). <i>Remote Sensing</i> , 2020, 12, 2617.	4.0	8
13	A Comparison of Frequency Domain Electro-Magnetometry, Electrical Resistivity Tomography and Borehole Temperatures to Assess the Presence of Ice in a Rock Glacier. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	9
14	Time-lapse monitoring of root water uptake using electrical resistivity tomography and mise-À-la-masse: a vineyard infiltration experiment. <i>Soil</i> , 2020, 6, 95-114.	4.9	27
15	Ground-based remote sensing of the shallow subsurface: Geophysical methods for environmental applications. <i>Developments in Earth Surface Processes</i> , 2020, , 55-89.	2.8	3
16	Resolving the thickness of peat deposits with contact-less electromagnetic methods: A case study in the Venice coastland. <i>Science of the Total Environment</i> , 2020, 737, 139361.	8.0	18
17	Hydrogeophysical characterization and monitoring of the hyporheic and riparian zones: The Vermigliana Creek case study. <i>Science of the Total Environment</i> , 2019, 648, 1105-1120.	8.0	32
18	Application of surface waves for detecting lateral variations: buried inclined plane. <i>Near Surface Geophysics</i> , 2019, 17, 501-531.	1.2	6

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19	A comparative analysis of time-depth relationships derived from scientific ocean drilling expeditions. <i>Marine Geophysical Researches</i> , 2019, 40, 635-641.	1.2	3
20	2016 Central Italy Earthquakes Recorded by Low-Cost MEMS-Distributed Arrays. <i>Seismological Research Letters</i> , 2019, 90, 672-682.	1.9	7
21	Comparing ERT- and scaling-based approaches to parameterize soil hydraulic properties for spatially distributed model applications. <i>Advances in Water Resources</i> , 2019, 126, 155-167.	3.8	14
22	Detection of lateral discontinuities via surface waves analysis: A case study at a derelict industrial site. <i>Journal of Applied Geophysics</i> , 2019, 164, 65-74.	2.1	4
23	An Integrated Approach Supporting Remediation of an Aquifer Contaminated with Chlorinated Solvents by a Combination of Adsorption and Biodegradation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 4318.	2.5	18
24	Multidisciplinary Analysis and Modelling of a River Embankment Affected by Piping. <i>Lecture Notes in Civil Engineering</i> , 2019, , 234-244.	0.4	5
25	Modelling an induced thermal plume with data from electrical resistivity tomography and distributed temperature sensing: a case study in northeast Italy. <i>Hydrogeology Journal</i> , 2018, 26, 837-851.	2.1	11
26	Geophysical investigations unravel the vestiges of ancient meandering channels and their dynamics in tidal landscapes. <i>Scientific Reports</i> , 2018, 8, 1708.	3.3	23
27	Conceptualization of Water Flow Pathways in Agricultural Terraced Landscapes. <i>Land Degradation and Development</i> , 2018, 29, 651-662.	3.9	43
28	Use of small scale electrical resistivity tomography to identify soil-root interactions during deficit irrigation. <i>Journal of Hydrology</i> , 2018, 556, 310-324.	5.4	46
29	Seismic survey on an open pingo system in Adventdalen Valley, Spitsbergen, Svalbard. <i>Near Surface Geophysics</i> , 2018, 16, 89-103.	1.2	15
30	Small-scale characterization of vine plant root water uptake via 3-D electrical resistivity tomography and mise-à-la-masse method. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5427-5444.	4.9	35
31	Passive seismic prospecting in Venice historical center for impedance contrast mapping. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	10
32	Rapid transition from continental breakup to igneous oceanic crust in the South China Sea. <i>Nature Geoscience</i> , 2018, 11, 782-789.	12.9	183
33	The use of FDEM in hydrogeophysics: A review. <i>Journal of Applied Geophysics</i> , 2017, 139, 36-46.	2.1	40
34	Partial root-zone drying irrigation in orange orchards: Effects on water use and crop production characteristics. <i>European Journal of Agronomy</i> , 2017, 82, 190-202.	4.1	82
35	Insights into bedrock surface morphology using low-cost passive seismic surveys and integrated geostatistical analysis. <i>Science of the Total Environment</i> , 2017, 578, 186-202.	8.0	13
36	Integrated seismic characterization for deep engineering targets: active and passive surface waves, reflection and refraction near-surface modelling from a single 2D acquisition. , 2017, , .		0

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37	Frequency-dependent multi-offset phase analysis of surface waves: an example of high-resolution characterization of a riparian aquifer. <i>Geophysical Prospecting</i> , 2016, 64, 102-111.	1.9	20
38	Characterization of the Vajont landslide (North-Eastern Italy) by means of reflection and surface wave seismics. <i>Journal of Applied Geophysics</i> , 2016, 128, 58-67.	2.1	21
39	Combined geophysical surveys for the characterization of a reconstructed river embankment. <i>Engineering Geology</i> , 2016, 211, 74-84.	6.3	60
40	Integrated geophysical-geological model for seismic local site response: the Caldes alpine slope case (Southern Alps, NE Italy). <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	0
41	Soil-plant interaction monitoring: Small scale example of an apple orchard in Trentino, North-Eastern Italy. <i>Science of the Total Environment</i> , 2016, 543, 851-861.	8.0	39
42	Monitoring and modelling of soil-plant interactions: the joint use of ERT, sap flow and eddy covariance data to characterize the volume of an orange tree root zone. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2213-2225.	4.9	76
43	HVSR technique in near-surface thermal-basin characterization: the example of the Caldiero district (North-East Italy). <i>Environmental Earth Sciences</i> , 2015, 74, 1199-1210.	2.7	9
44	Double-array refraction microtremors. <i>Journal of Applied Geophysics</i> , 2015, 121, 31-41.	2.1	13
45	Soil damping influence on seismic ground response: A parametric analysis for weak to moderate ground motion. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 79, 71-79.	3.8	16
46	Tectonically driven deposition and landscape evolution within upland incised valleys: Ambra Valley fill, Pliocene-Pleistocene, Tuscany, Italy. <i>Sedimentology</i> , 2015, 62, 897-927.	3.1	22
47	Measuring and modeling water-related soil-vegetation feedbacks in a fallow plot. <i>Hydrology and Earth System Sciences</i> , 2014, 18, 1105-1118.	4.9	15
48	HVSR technique as tool for thermal-basin characterization: a field example in N-E Italy. <i>Environmental Earth Sciences</i> , 2014, 71, 4433-4446.	2.7	14
49	River embankment characterization: The joint use of geophysical and geotechnical techniques. <i>Journal of Applied Geophysics</i> , 2014, 110, 5-22.	2.1	43
50	Noninvasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8914-8931.	5.3	55
51	Plant-soil interactions in salt marsh environments: Experimental evidence from electrical resistivity tomography in the Venice Lagoon. <i>Geophysical Research Letters</i> , 2014, 41, 6160-6166.	4.0	28
52	The Influence of Subsoil Structure and Acquisition Parameters in MASW Mode Mis-identification. <i>Journal of Environmental and Engineering Geophysics</i> , 2014, 19, 87-99.	0.5	13
53	Mode misidentification in Rayleigh waves: Ellipticity as a cause and a cure. <i>Geophysics</i> , 2013, 78, EN17-EN28.	2.6	68
54	An efficient tool for cultural heritage seismic soil classification: frequency-time analysis method in Venice historical center and its lagoon (Italy). <i>Geosciences Journal</i> , 2013, 17, 301-311.	1.2	6

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55	Monitoring Soil-plant Interactions in an Apple Orchard Using 3D Electrical Resistivity Tomography. <i>Procedia Environmental Sciences</i> , 2013, 19, 394-402.	1.4	19
56	Fault-sourced alluvial fans and their interaction with axial fluvial drainage: An example from the Plio-Pleistocene Upper Valdarno Basin (Tuscany, Italy). <i>Sedimentary Geology</i> , 2013, 289, 19-39.	2.1	35
57	Reply to comment on "Shear wave profile from surface wave inversion: the impact of uncertainty on seismic site response analysis". <i>Journal of Geophysics and Engineering</i> , 2012, 9, 244-246.	1.4	8
58	Geophysical characterization of a small pre-Alpine catchment. <i>Journal of Applied Geophysics</i> , 2012, 80, 32-42.	2.1	21
59	Noninvasive Monitoring of Soil Static Characteristics and Dynamic States: A Case Study Highlighting Vegetation Effects on Agricultural Land. <i>Vadose Zone Journal</i> , 2012, 11, vzt2011.0195.	2.2	42
60	From surface wave inversion to seismic site response prediction: Beyond the 1D approach. <i>Soil Dynamics and Earthquake Engineering</i> , 2012, 36, 38-51.	3.8	17
61	Shear wave profiles from surface wave inversion: the impact of uncertainty on seismic site response analysis. <i>Journal of Geophysics and Engineering</i> , 2011, 8, 162-174.	1.4	58
62	Indexes and physical parameters for the litho-stratigraphic model of Venice. <i>Rendiconti Lincei</i> , 2010, 21, 229-238.	2.2	6
63	Shear wave structural models of Venice Plain, Italy, from Time Cross Correlation of seismic noise. <i>Engineering Geology</i> , 2010, 116, 189-195.	6.3	16
64	Expedition 367/368 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	11
65	Expedition 367/368 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	18
66	Site U1499. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	6
67	Site U1500. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	10
68	Site U1501. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	7
69	Site U1502. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	5
70	Site U1504. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	4
71	2016 Central Italy Earthquakes: comparison between GPS signals and low-cost distributed MEMS arrays. <i>Advances in Geosciences</i> , 0, 51, 1-14.	12.0	3
72	Site U1505. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .	0.0	2

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73	Site U1503. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
74	From electromagnetic to sediment textural maps: an integrated approach to unravel the intra-point-bar variability of sediment properties. Journal of the Geological Society, 0, , jgs2021-156.	2.1	3