

# Mircea Radulian

## List of Publications by Year in descending order

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88  
papers

1,756  
citations

331259

21  
h-index

329751

37  
g-index

94  
all docs

94  
docs citations

94  
times ranked

1184  
citing authors

#	ARTICLE	IF	CITATIONS
1	The SHARE European Earthquake Catalogue (SHEEC) 1000â€“1899. <i>Journal of Seismology</i> , 2013, 17, 523-544.	0.6	280
2	Geodynamics and intermediate-depth seismicity in Vrancea (the south-eastern Carpathians): Current state-of-the art. <i>Tectonophysics</i> , 2012, 530-531, 50-79.	0.9	129
3	Characterization of Seismogenic Zones of Romania. , 2000, 157, 57-77.		100
4	An Updated Probabilistic Seismic Hazard Assessment for Romania and Comparison with the Approach and Outcomes of the SHARE Project. <i>Pure and Applied Geophysics</i> , 2016, 173, 1881-1905.	0.8	59
5	Fore-Arc and Back-Arc Ground Motion Prediction Model for Vrancea Intermediate Depth Seismic Source. <i>Journal of Earthquake Engineering</i> , 2015, 19, 535-562.	1.4	57
6	Delamination or slab detachment beneath Vrancea? New arguments from local earthquake tomography. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	1.0	55
7	Seismic Hazard of Romania: Deterministic Approach. , 2000, 157, 221-247.		53
8	Ground-motion prediction equations for the intermediate depth Vrancea (Romania) earthquakes. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 367-388.	2.3	45
9	Integrated transnational macroseismic data set for the strongest earthquakes of Vrancea (Romania). <i>Tectonophysics</i> , 2013, 590, 1-23.	0.9	45
10	Frequencyâ€“magnitude distribution of earthquakes in Vrancea: Relevance for a discrete model. <i>Journal of Geophysical Research</i> , 1991, 96, 4301-4311.	3.3	44
11	Source scaling of intermediate-depth Vrancea earthquakes. <i>Geophysical Journal International</i> , 2002, 151, 879-889.	1.0	42
12	New Seismic and Tomography Data in the Southern Part of the Harghita Mountains (Romania,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 2012, 169, 1557-1573.	0.8	42
13	Seismic attenuation in the Carpathian bend zone and surroundings. <i>Earth and Planetary Science Letters</i> , 2005, 237, 695-709.	1.8	39
14	Earthquakes distribution and their focal mechanism in correlation with the active tectonic zones of Romania. <i>Journal of Geodynamics</i> , 2003, 36, 129-145.	0.7	38
15	Attenuation in Southeastern Carpathians area: Result of upper mantle inhomogeneity. <i>Tectonophysics</i> , 2005, 410, 235-249.	0.9	33
16	Realistic modeling of seismic input for megacities and large urban areas (the UNESCO/IUGS/IGCP) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.8	32
17	Multifractal and Chaotic Analysis of Vrancea (Romania) Intermediate-depth Earthquakes: Investigation of the Temporal Distribution of Events. <i>Pure and Applied Geophysics</i> , 2005, 162, 249-271.	0.8	30
18	Asperity distribution and percolation as fundamentals of an earthquake cycle. <i>Physics of the Earth and Planetary Interiors</i> , 1989, 58, 277-288.	0.7	27

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19	Source parameters of intermediate-depth Vrancea (Romania) earthquakes from empirical Green's functions modeling. <i>Tectonophysics</i> , 2007, 438, 33-56.	0.9	25
20	Tectonic regimes and stress patterns in the Vrancea Seismic Zone: Insights into intermediate-depth earthquake nests in locked collisional settings. <i>Tectonophysics</i> , 2021, 799, 228688.	0.9	25
21	Vrancea slab earthquakes triggered by static stress transfer. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 2565-2577.	1.5	23
22	Geological, geophysical and seismological criteria for local response evaluation in Bucharest urban area. <i>Soil Dynamics and Earthquake Engineering</i> , 2007, 27, 367-393.	1.9	22
23	The "pargasosphere" hypothesis: Looking at global plate tectonics from a new perspective. <i>Global and Planetary Change</i> , 2021, 204, 103547.	1.6	22
24	Would it have been possible to predict the 30 August 1986 Vrancea earthquake?. <i>Bulletin of the Seismological Society of America</i> , 1991, 81, 2498-2503.	1.1	22
25	Relocation of large intermediate-depth earthquakes in the Vrancea region, Romania, since 1934 and a seismic gap. <i>Earth, Planets and Space</i> , 2008, 60, 565-572.	0.9	21
26	Scaling of source parameters for Vrancea (Romania) intermediate depth earthquakes. <i>Tectonophysics</i> , 1996, 261, 67-81.	0.9	20
27	SEISMIC WAVE ATTENUATION FOR VRANCEA EVENTS REVISITED. <i>Journal of Earthquake Engineering</i> , 2006, 10, 411-427.	1.4	19
28	Improving the shear wave velocity structure beneath Bucharest (Romania) using ambient vibrations. <i>Geophysical Journal International</i> , 2016, 207, 848-861.	1.0	19
29	Seismic scattering and absorption mapping from intermediate-depth earthquakes reveals complex tectonic interactions acting in the Vrancea region and surroundings (Romania). <i>Tectonophysics</i> , 2017, 706-707, 129-142.	0.9	18
30	Revised catalogue of earthquake mechanisms for the events occurred in Romania until the end of twentieth century: REFMC. <i>Acta Geodaetica Et Geophysica</i> , 2019, 54, 3-18.	0.7	17
31	Geohazards assessment and mapping of some Balkan countries. <i>Natural Hazards</i> , 2012, 64, 943-981.	1.6	16
32	Seismic Microzoning of Bucharest (Romania): A Critical Review. <i>Advances in Natural and Technological Hazards Research</i> , 1999, , 109-121.	1.1	16
33	Microzonation of Bucharest: State-of-the-Art. <i>Pure and Applied Geophysics</i> , 2004, 161, 1125-1147.	0.8	15
34	Macroseismic Field of the Romanian Intermediate-Depth Earthquakes. <i>Advances in Natural and Technological Hazards Research</i> , 1999, , 163-174.	1.1	14
35	Seismicity patterns in Vrancea and predictive features. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2008, 43, 163-173.	0.4	13
36	Geometrical constraints for the configuration of the Vrancea (Romania) intermediate-depth seismicity nest. <i>Journal of Seismology</i> , 2011, 15, 579-598.	0.6	13

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37	Earthquake mechanism and characterization of seismogenic zones in south-eastern part of Romania. <i>Annals of Geophysics</i> , 2018, 61, .	0.5	13
38	Source characteristics of the seismic sequences in the Eastern Carpathians foredeep region (Romania). <i>Tectonophysics</i> , 2001, 338, 325-337.	0.9	12
39	Seismicity Variations in Depth and Time in the Vrancea (Romania) Subcrustal Region. , 1999, 19, 165-177.		11
40	Analysis of the seismic wavefield in the Moesian Platform (Bucharest area) for hazard assessment purposes. <i>Geophysical Journal International</i> , 2017, 210, 1609-1622.	1.0	11
41	Lithosphereâ€“asthenosphere interaction at the Southeastern Carpathian Arc bend: Implications for anisotropy. <i>Tectonophysics</i> , 2008, 462, 83-88.	0.9	10
42	Seismic Hazard of Romania: Deterministic Approach. , 2000, , 221-247.		10
43	Source characteristics of the Sinaia (Romania) sequence of Mayâ€“June 1993. <i>Tectonophysics</i> , 1996, 261, 39-49.	0.9	9
44	Waveform inversion of weak vrancea (Romania) earthquakes. <i>Studia Geophysica Et Geodaetica</i> , 1996, 40, 367-380.	0.3	9
45	Focal mechanisms in Romania: statistical features representative for earthquake-prone areas and spatial correlations with tectonic provinces. <i>Acta Geodaetica Et Geophysica</i> , 2019, 54, 263-286.	0.7	9
46	Source Parameters of Weak Crustal Earthquakes of the Vrancea Region from Short-period Waveform Inversion. <i>Pure and Applied Geophysics</i> , 2005, 162, 495-513.	0.8	8
47	Source parameters of the December 2011â€“January 2012 earthquake sequence in Southern Carpathians, Romania. <i>Tectonophysics</i> , 2014, 623, 23-38.	0.9	8
48	The missing craton edge: Crustal structure of the East European Craton beneath the Carpathian Orogen revealed by double-difference tomography. <i>Global and Planetary Change</i> , 2021, 197, 103390.	1.6	8
49	Numerical simulation of the earthquake generation process. <i>Pure and Applied Geophysics</i> , 1991, 136, 499-514.	0.8	7
50	Attenuation of the peak ground motion for the special case of Vrancea intermediate-depth earthquakes and seismic hazard assessment at NPP Cernavoda. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2006, 41, 433-440.	0.4	7
51	Urban shakemap methodology for Bucharest. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	7
52	Romanian Seismic Network Since 1980 to the Present. <i>Springer Proceedings in Physics</i> , 2015, , 117-131.	0.1	7
53	Macroseismic intensity investigation of the November 2014, M=5.7, Vrancea (Romania) crustal earthquake. <i>Annals of Geophysics</i> , 2016, 59, .	0.5	7
54	Seismic hazard of Romania due to Vrancea earthquakes - How asymmetric is the strong ground motion distribution. <i>Acta Geodaetica Et Geophysica Hungarica</i> , 2004, 39, 309-318.	0.4	6

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55	Digitized Database of Old Seismograms Recorder in Romania. Acta Geophysica, 2016, 64, 963-977.	1.0	6
56	Identification of blasting sources in the Dobrogea seismogenic region, Romania using seismo-acoustic signals. Physics and Chemistry of the Earth, 2016, 95, 125-134.	1.2	6
57	Active tectonic deformation and associated earthquakes: a case studyâ€”South West Carpathians Bend zone. Acta Geodaetica Et Geophysica, 2018, 53, 395-413.	0.7	6
58	Spatial Multi-Criteria Risk Assessment of Earthquakes from Bucharest, Romania. , 2014, , 127-149.		6
59	Seismic zoning characterization for the seismic hazard assessment in south-eastern Romania territory. Acta Geodaetica Et Geophysica Hungarica, 2004, 39, 259-274.	0.4	5
60	Seismic ground motion variability over the Bucharest city area. Acta Geodaetica Et Geophysica Hungarica, 2006, 41, 361-368.	0.4	5
61	Crustal Structure in the Western Part of Romania from Local Seismic Tomography. IOP Conference Series: Earth and Environmental Science, 2017, 95, 032019.	0.2	5
62	Earthquake Source Properties of a Lower Crust Sequence and Associated Seismicity Perturbation in the SE Carpathians, Romania, Collisional Setting. Acoustics, 2021, 3, 270-296.	0.8	5
63	Prediction of strong earthquakes in Vrancea, Romania, using the CN algorithm. Pure and Applied Geophysics, 1995, 145, 277-296.	0.8	4
64	Prediction of the strong earthquakes in Vrancea, Romania, using the CN algorithm. Pure and Applied Geophysics, 1996, 147, 99-118.	0.8	4
65	Title is missing!. Journal of Earthquake Engineering, 2006, 10, 411.	1.4	4
66	Dynamics of a Seismic Regime: Vrancea - A Case History. Geophysical Monograph Series, 0, , 43-53.	0.1	4
67	Investigation on directional effects of Vrancea subcrustal earthquakes. Earthquake Engineering and Engineering Vibration, 2015, 14, 399-410.	1.1	4
68	Crustal stress partitioning in the complex seismic active areas of Romania. Acta Geodaetica Et Geophysica, 2020, 55, 389-403.	0.7	4
69	Predicted near-field ground motion for dynamic stress-drop models. Pure and Applied Geophysics, 1985, 123, 173-198.	0.8	3
70	Possible deep lithospheric roots beneath South-Eastern Carpathians back-arc region. Acta Geodaetica Et Geophysica Hungarica, 2010, 45, 340-355.	0.4	3
71	Slowness and azimuth determination for Bucovina array (BURAR) applying multiple signal techniques. Journal of Seismology, 2011, 15, 431-442.	0.6	3
72	Mechanisms of Earthquakes in Vrancea. , 2014, , 1-9.		3

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73	Repeated Earthquakes in the Vrancea Subcrustal Source and Source Scaling. IOP Conference Series: Earth and Environmental Science, 2017, 95, 032005.	0.2	3
74	Ground Motion Patterns Of Intermediate-Depth Vrancea Earthquakes: The October 27, 2004 Event. NATO Science for Peace and Security Series C: Environmental Security, 2008, , 47-62.	0.1	3
75	Test of the Empirical Green's Function Deconvolution on Vrancea (Romania) Subcrustal Earthquakes. Studia Geophysica Et Geodaetica, 2000, 44, 403-429.	0.3	2
76	Recent Achievements of the Neo-Deterministic Seismic Hazard Assessment in the CEI Region. AIP Conference Proceedings, 2008, , .	0.3	2
77	The 2013 Earthquake Swarm in the Galati Area: First Results for a Seismotectonic Interpretation. Springer Natural Hazards, 2016, , 253-265.	0.1	2
78	EMPIRICAL GREEN'S FUNCTION DECONVOLUTION APPLIED FOR VRANCEA EARTHQUAKES OCCURRED IN THE LAST TEN YEARS. Environmental Engineering and Management Journal, 2017, 16, 2605-2614.	0.2	1
79	Source parameters of the earthquake sequence that occurred close to the BURAR array (Romania) between 24 June and 1 July 2011. Annals of Geophysics, 2017, 60, .	0.5	1
80	Mechanisms of Earthquakes in Vrancea. , 2015, , 1473-1481.		1
81	Comparison of Three Major Historical Earthquakes with Three Recent Earthquakes. Springer Natural Hazards, 2016, , 267-283.	0.1	1
82	Catalogue of Earthquake Mechanism and Correlation with the Most Active Seismic Zones in South-Eastern Part of Romania. Springer Natural Hazards, 2018, , 23-37.	0.1	1
83	Scaling relationships for the near-field P-SV ground motion. Pure and Applied Geophysics, 1987, 125, 19-40.	0.8	0
84	Evidence of strong lateral inhomogeneous structure beneath SE Carpathians and specific mantle flow patterns. Acta Geodaetica Et Geophysica Hungarica, 2008, 43, 119-130.	0.4	0
85	Microzonation of Bucharest: State-of-the-Art. , 2004, , 1125-1147.		0
86	Numerical Simulation of the Earthquake Generation Process. , 1991, , 499-514.		0
87	Scaling Properties for the Vrancea Subcrustal Earthquakes: An Overview. Springer Natural Hazards, 2016, , 235-252.	0.1	0
88	Overview of Part I. Springer Natural Hazards, 2016, , 3-17.	0.1	0