Vladimir Kostoglodov

List of Publications by Year
in descending order

87	4,291	76326 40	114465 63
papers	citations	h-index	g-index

90	90	90	2406
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A large silent earthquake in the Guerrero seismic gap, Mexico. Geophysical Research Letters, 2003, 30, .	4.0	232
2	Seismicity and structure of the Kamchatka Subduction Zone. Journal of Geophysical Research, 1997, 102, 17883-17898.	3.3	173
3	Transient fault slip in Guerrero, southern Mexico. Geophysical Research Letters, 2001, 28, 3753-3756.	4.0	172
4	Triggering of the 2014 Mw7.3 Papanoa earthquake by a slow slip event in Guerrero, Mexico. Nature Geoscience, 2016, 9, 829-833.	12.9	156
5	Slow slip events and strain accumulation in the Guerrero gap, Mexico. Journal of Geophysical Research, 2012, 117, .	3.3	146
6	Nonvolcanic tremor observed in the Mexican subduction zone. Geophysical Research Letters, 2008, 35, .	4.0	140
7	Seismic evidence of nonlinear crustal deformation during a large slow slip event in Mexico. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	107
8	Spatial and temporal evolution of a long term slow slip event: the 2006 Guerrero Slow Slip Event. Geophysical Journal International, 2011, 184, 816-828.	2.4	103
9	Seismotectonic constraints on the convergence rate between the Rivera and North American plates. Journal of Geophysical Research, 1995, 100, 17977-17989.	3.3	95
10	Extreme wave deposits on the Pacific coast of Mexico: Tsunamis or storms? â€" A multi-proxy approach. Geomorphology, 2012, 139-140, 360-371.	2.6	94
11	A review of the geodynamic evolution of flat slab subduction in Mexico, Peru, and Chile. Tectonophysics, 2017, 695, 27-52.	2.2	94
12	Tomographic imaging of the P-wave velocity structure beneath the Kamchatka peninsula. Geophysical Journal International, 1999, 137, 269.	2.4	91
13	Crustal deformation measurements in Guerrero, Mexico. Journal of Geophysical Research, 2004, 109, .	3.3	90
14	Using systematically characterized lowâ€frequency earthquakes as a fault probe in Guerrero, Mexico. Journal of Geophysical Research: Solid Earth, 2014, 119, 7686-7700.	3.4	89
15	The 2006 slow slip event and nonvolcanic tremor in the Mexican subduction zone. Geophysical Research Letters, 2010, 37, .	4.0	88
16	Uncovering the geodetic signature of silent slip through repeating earthquakes. Geophysical Research Letters, 2015, 42, 2774-2779.	4.0	86
17	Thermal models of the Mexico subduction zone: Implications for the megathrust seismogenic zone. Journal of Geophysical Research, 2002, 107, ETG 15-1-ETG 15-13.	3.3	84
18	The Energy Partitioning and the Diffusive Character of the Seismic Coda. Bulletin of the Seismological Society of America, 2000, 90, 655-665.	2.3	80

#	Article	IF	Citations
19	Along-fault pore-pressure evolution during a slow-slip event in Guerrero, Mexico. Earth and Planetary Science Letters, 2015, 413, 135-143.	4.4	80
20	Slow slip events in Mexico revised from the processing of 11 year GPS observations. Journal of Geophysical Research, 2010, 115, .	3.3	79
21	Triggering of tremors and slow slip event in Guerrero, Mexico, by the 2010 Mw 8.8 Maule, Chile, earthquake. Journal of Geophysical Research, 2012, 117, .	3.3	77
22	Lowâ€frequency earthquakes in the Mexican Sweet Spot. Geophysical Research Letters, 2013, 40, 2661-2666.	4.0	73
23	Fault kinematics in northern Central America and coupling along the subduction interface of the Cocos Plate, from GPS data in Chiapas (Mexico), Guatemala and El Salvador. Geophysical Journal International, 2012, 189, 1223-1236.	2.4	72
24	The October 9, 1995 Colima-Jalisco, Mexico Earthquake (Mw8): An aftershock study and a comparison of this earthquake with those of 1932. Geophysical Research Letters, 1997, 24, 2223-2226.	4.0	71
25	The 2006 aseismic slow slip event in Guerrero, Mexico: New results from GPS. Geophysical Research Letters, 2007, 34, .	4.0	66
26	Temporal variations of nonâ€volcanic tremor (NVT) locations in the Mexican subduction zone: Finding the NVT sweet spot. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	66
27	Thermal structure, coupling and metamorphism in the Mexican subduction zone beneath Guerrero. Geophysical Journal International, 2004, 158, 775-784.	2.4	64
28	Thermo-mechanical model of the mantle wedge in Central Mexican subduction zone and a blob tracing approach for the magma transport. Physics of the Earth and Planetary Interiors, 2005, 149, 165-186.	1.9	64
29	Interplate coupling and a recent aseismic slow slip event in the Guerrero seismic gap of the Mexican subduction zone, as deduced from GPS data inversion using a Bayesian information criterion. Physics of the Earth and Planetary Interiors, 2004, 146, 513-530.	1.9	59
30	Relationship between subduction and seismicity in the Mexican part of the Middle America Trench. Journal of Geophysical Research, 1994, 99, 729-742.	3.3	58
31	Propagation of the 2001â€“2002 silent earthquake and interplate coupling in the Oaxaca subduction zone, Mexico. Earth, Planets and Space, 2005, 57, 973-985.	2.5	58
32	GPS constraints on the 2011-2012 Oaxaca slow slip event that preceded the 2012 March 20 Ometepec earthquake, southern Mexico. Geophysical Journal International, 2014, 197, 1593-1607.	2.4	56
33	Slow slip event in the Mexican subduction zone: Evidence of shallower slip in the Guerrero seismic gap for the 2006 event revealed by the joint inversion of InSAR and GPS data. Earth and Planetary Science Letters, 2013, 367, 52-60.	4.4	53
34	Maximum depth of seismicity and thermal parameter of the subducting slab: general empirical relation and its application. Tectonophysics, 1997, 277, 165-187.	2.2	51
35	The Oaxaca Earthquake of 30 September 1999 (Mw = 7.5): A Normal-faulting Event in the Subducted Cocos Plate. Seismological Research Letters, 2000, 71, 67-78.	1.9	48
36	Gravity and seismicity over the Guerrero Seismic Gap, Mexico. Geophysical Research Letters, 1996, 23, 3385-3388.	4.0	47

#	Article	IF	Citations
37	A geodetic matched filter search for slow slip with application to the Mexico subduction zone. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,498.	3.4	47
38	Slow Slip History for the MEXICO Subduction Zone: 2005 Through 2011. Pure and Applied Geophysics, 2016, 173, 3445-3465.	1.9	46
39	Tectonic evolution of the Tehuantepec Ridge. Earth and Planetary Science Letters, 2005, 238, 64-77.	4.4	45
40	Sedimentary record of late-Holocene relative sea-level change and tectonic deformation from the Guerrero Seismic Gap, Mexican Pacific Coast. Holocene, 2007, 17, 1211-1220.	1.7	41
41	Overview of Recent Coastal Tectonic Deformation in the Mexican Subduction Zone. Pure and Applied Geophysics, 2011, 168, 1415-1433.	1.9	41
42	Holocene-emerged notches and tectonic uplift along the Jalisco coast, Southwest Mexico. Geomorphology, 2004, 58, 291-304.	2.6	37
43	Structure of the southern Jalisco subduction zone, Mexico, as inferred from gravity and seismicity. Geofisica International, 1999, 38, 127-136.	0.2	32
44	Seismic velocity changes, strain rate and non-volcanic tremors during the 2009â€“2010 slow slip event in Guerrero, Mexico. Geophysical Journal International, 2014, 196, 447-460.	2.4	31
45	The evolving interaction of low-frequency earthquakes during transient slip. Science Advances, 2016, 2, e1501616.	10.3	31
46	Independent Component Analysis and Parametric Approach for Source Separation in InSAR Time Series at Regional Scale: Application to the 2017â€“2018 Slow Slip Event in Guerrero (Mexico). Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018187.	3.4	31
47	Intraslab seismicity and thermal stress in the subducted Cocos plate beneath central Mexico. Tectonophysics, 2006, 420, 389-408.	2.2	29
48	Comparative study of tectonic tremor locations: Characterization of slow earthquakes in Guerrero, Mexico. Journal of Geophysical Research: Solid Earth, 2016, 121, 5136-5151.	3.4	29
49	Rupture length of the October 9, 1995 Colima-Jalisco Earthquake (Mw8) estimated from tsunami data. Geophysical Research Letters, 1998, 25, 2857-2860.	4.0	28
50	Spatiotemporal Variations in Slow Earthquakes Along the Mexican Subduction Zone. Journal of Geophysical Research: Solid Earth, 2018, 123, 1559-1575.	3.4	27
51	Sediment fill in the Middle America Trench inferred from gravity anomalies. Geofisica International, 2003, 42, 603-612.	0.2	27
52	Source Time Function and Duration of Mexican Earthquakes. Bulletin of the Seismological Society of America, 2000, 90, 468-482.	2.3	25
53	Late Holocene tectonic land-level changes and tsunamis at Mitla lagoon, Guerrero, Mexico. Geofisica International, 2009, 48, 195-209.	0.2	24
54	A double-planed seismic zone in Kamchatka from local and teleseismic data. Geophysical Research Letters, 1994, 21, 1675-1678.	4.0	23

#	Article	IF	Citations
55	Anticipating the Next Large Silent Earthquake in Mexico. Eos, 2009, 90, 181-182.	0.1	23
56	GPS constraints on the Mw = 7.5 Ometepec earthquake sequence, southern Mexico: coseismic and post-seismic deformation. Geophysical Journal International, 2014, 199, 200-218.	2.4	23
57	Active Crustal Faults in the Forearc Region, Guerrero Sector of the Mexican Subduction Zone. Pure and Applied Geophysics, 2016, 173, 3419-3443.	1.9	23
58	Source areas of the Acapulco-San Marcos, Mexico earthquakes of 1962 (M 7.1; 7.0) and 1957 (M 7.7), as constrained by tsunami and uplift records. Geofisica International, 2000, 39, 337-348.	0.2	23
59	Characteristic Tectonic Tremor Activity Observed Over Multiple Slow Slip Cycles in the Mexican Subduction Zone. Journal of Geophysical Research: Solid Earth, 2019, 124, 599-608.	3.4	22
60	Short-term interaction between silent and devastating earthquakes in Mexico. Nature Communications, 2021, 12, 2171.	12.8	22
61	Isostasy of fracture zones in the Atlantic Ocean. Journal of Geophysical Research, 1981, 86, 9248-9258.	3.3	21
62	Two successive slow slip events evidenced in 2009â€“2010 by a dense GPS network in Guerrero, Mexico. Geophysical Research Letters, 2011, 38, .	4.0	21
63	Lateral Variations of Interplate Coupling along the Mexican Subduction Interface: Relationships with Long-Term Morphology and Fault Zone Mechanical Properties. Pure and Applied Geophysics, 2016, 173, 3467-3486.	1.9	20
64	GPS constraints on deformation in northern Central America from 1999 to 2017, Part 1 â€“ Time-dependent modelling of large regional earthquakes and their post-seismic effects. Geophysical Journal International, 2018, 214, 2177-2194.	2.4	20
65	Nonvolcanic tremor locations and mechanisms in Guerrero, Mexico, from energyâ€based and particle motion polarization analysis. Journal of Geophysical Research: Solid Earth, 2015, 120, 275-289.	3.4	19
66	Deformation in the Guerrero seismic gap, Mexico, from leveling observations. Journal of Geodesy, 2001, 75, 19-32.	3.6	18
67	A Seismogeodetic Amphibious Network in the Guerrero Seismic Gap, Mexico. Seismological Research Letters, 2018, 89, 1435-1449.	1.9	18
68	Relating the long-term and short-term vertical deformation across a transect of the forearc in the central Mexican subduction zone. , 2018, 14, 419-439.		18
69	GPS constraints on deformation in northern Central America from 1999 to 2017, Part 2: Block rotations and fault slip rates, fault locking and distributed deformation. Geophysical Journal International, 2019, 218, 729-754.	2.4	18
70	GPS deformation related to the M_wÂ7.3, 2014, Papanoa earthquake (Mexico) reveals the aseismic behavior of the Guerrero seismic gap. Geophysical Research Letters, 2017, 44, 6039-6047.	4.0	17
71	New constraints on the uplift of October 9, 1995 Jalisco-Colima earthquake (M_w 8) based on the analysis of tsunami records at Manzanillo and Navidad, Mexico. Geofisica International, 2000, 39, 349-357.	0.2	17
72	Implications of the October 1995 Colima-Jalisco Mexico earthquakes on the Rivera-North America Euler vector. Geophysical Research Letters, 1997, 24, 485-488.	4.0	12

#	Article	IF	Citations
73	Thermal models, magma transport, and velocity anomaly estimation beneath southern Kamchatka. , 2005, , .		12
74	Seismicity rate increases associated with slow slip episodes prior to the 2012 Mw 7.4 Ometepec earthquake. Earth and Planetary Science Letters, 2017, 464, 35-45.	4.4	12
75	Activity of crustal faults and the Xolapa sliver motion in Guerreroâ€“Oaxaca forearc of Mexico, from seismic data. Earth, Planets and Space, 2019, 71, .	2.5	11
76	Repeating seismicity in the shallow crust modulated by transient stressÂperturbations. Tectonophysics, 2016, 687, 105-110.	2.2	9
77	Interseismic coupling along the Mexican subduction zone seen by InSAR and GNSS. Earth and Planetary Science Letters, 2022, 586, 117534.	4.4	9
78	Active 650-km Long Fault System and Xolapa Sliver in Southern Mexico. Frontiers in Earth Science, 2020, 8, .	1.8	8
79	Maximum seismic depth versus thermal parameter of subducted slab: application to deep earthquakes in Chile and Bolivia.. Geofisica International, 1996, 35, 41-50.	0.2	6
80	Slow Slip History for the MEXICO Subduction Zone: 2005 Through 2011. Pageoph Topical Volumes, 2015, , 3445-3465.	0.2	3
81	Prevention project: a complex geophysical observatory in Mexico as a test facility for lithosphereâ€“atmosphereâ€“ionosphere coupling models. Physics and Chemistry of the Earth, 2004, 29, 657-662.	2.9	2
82	Scaling of Peak Ground Displacement with Seismic Moment above the Mexican Subduction Thrust. Seismological Research Letters, 2020, 91, 956-966.	1.9	2
83	Lateral Variations of Interplate Coupling along the Mexican Subduction Interface: Relationships with Long-Term Morphology and Fault Zone Mechanical Properties. Pageoph Topical Volumes, 2015, , 3467-3486.	0.2	2
84	Adjoint slip inversion under a constrained optimization framework: revisiting the 2006 Guerrero slow slip event. Geophysical Journal International, 2021, 226, 1187-1205.	2.4	1
85	Active Crustal Faults in the Forearc Region, Guerrero Sector of the Mexican Subduction Zone. Pageoph Topical Volumes, 2016, , 3419-3443.	0.2	0
86	A Simplified Method to Invert Slow Slip Events: Examples for the 2002, 2006 and 2014 events in Guerrero, Mexico. Geofisica International, 2017, 56, .	0.2	0
87	Application of multiple proxies in Mexican tropical coasts to prove evidence of tsunami deposits. Geofisica International, 2018, 57, .	0.2	0