Oldrich Novotny

List of Publications by Year
in descending order

49 papers	629 citations	687363 13 h-index	610901 24 g-index
49 all docs	49 docs citations	49 times ranked	799 citing authors

#	Article	IF	Citations
1	Imaging the Absolute Configuration of a Chiral Epoxide in the Gas Phase. Science, 2013, 342, 1084-1086.	12.6	118
2	The January 2010 Efpalio earthquake sequence in the western Corinth Gulf (Greece). Tectonophysics, 2012, 530-531, 299-309.	2.2	55
3	High-resolution storage-ring measurements of the dissociative recombination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mr a supersonic expansion ion source. Physical Review A, 2010, 82, .	2.5	48
4	Quantum-stateâ€“selective electron recombination studies suggest enhanced abundance of primordial HeH ⁺. Science, 2019, 365, 676-679.	12.6	42
5	Resonant structure of low-energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mr recombination. Physical Review A, 2011, 83, .	2.5	41
6	COLD ELECTRON REACTIONS PRODUCING THE ENERGETIC ISOMER OF HYDROGEN CYANIDE IN INTERSTELLAR CLOUDS. Astrophysical Journal Letters, 2012, 746, L8.	8.3	32
7	Fragmentation Channels in Dissociative Electron Recombination with Hydronium and Other Astrophysically Important Species. Journal of Physical Chemistry A, 2010, 114, 4870-4874.	2.5	25
8	Roadmap on photonic, electronic and atomic collision physics: II. Electron and antimatter interactions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 171002.	1.5	22
9	Laboratory measurements of the recombination of PAH ions with electrons: implications for the PAH charge state in interstellar clouds. Faraday Discussions, 2006, 133, 289.	3.2	20
10	Coulomb Explosion Imaged Cryptochiral (R,R)â€2,3â€Dideuterooxirane: Unambiguous Access to the Absolute Configuration of (+)â€Glyceraldehyde. Chemistry - A European Journal, 2014, 20, 5555-5558.	3.3	17
11	A preliminary seismic model for the region of the west-Bohemian earthquake swarms. Studia Geophysica Et Geodaetica, 1996, 40, 353-366.	0.5	15
12	Partial derivatives of dispersion curves of love waves in a layered medium. Studia Geophysica Et Geodaetica, 1970, 14, 36-50.	0.5	14
13	Vertically Inhomogeneous Models of the Upper Crustal Structure in the West-Bohemian Seismoactive Region Inferred from the Celebration 2000 Refraction Data. Studia Geophysica Et Geodaetica, 2004, 48, 709-730.	0.5	13
14	An efficient, movable single-particle detector for use in cryogenic ultra-high vacuum environments. Review of Scientific Instruments, 2015, 86, 023303.	1.3	13
15	Storage ring measurements of the dissociative recombination of H ₃ ⁺. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 5088-5100.	3.4	12
16	Methods of computing the partial derivatives of dispersion curves. Pure and Applied Geophysics, 1976, 114, 765-774.	1.9	10
17	Theoretical dispersion curves for the seismic profile KaÅ¡perskÃ© Hory (Czechoslovakia) â€" Ksiaz (Poland). Studia Geophysica Et Geodaetica, 1983, 27, 157-163.	0.5	10
18	Dispersion of Rayleigh waves along the Prague-Warsaw profile. Studia Geophysica Et Geodaetica, 1995, 39, 138-147.	0.5	10

#	Article	IF	Citations
19	Title is missing!. Studia Geophysica Et Geodaetica, 1997, 41, 15-28.	0.5	10
20	A layered model of the upper crust in the Aigion region of Greece, inferred from arrival times of the 2001 earthquake sequence. Studia Geophysica Et Geodaetica, 2008, 52, 123-131.	0.5	9
21	Partial derivatives of dispersion curves of love waves in a single-layered medium. Studia Geophysica Et Geodaetica, 1971, 15, 24-35.	0.5	8
22	Low-frequency and high-frequency expressions for the reflection and transmission coefficients of seismic waves for transition layers. Studia Geophysica Et Geodaetica, 1976, 20, 219-235.	0.5	8
23	Upper crustal structure of the western Corinth Gulf, greece, inferred from arrival times of the January 2010 earthquake sequence. Studia Geophysica Et Geodaetica, 2012, 56, 1007-1018.	0.5	8
24	Earthquake location from P-arrival times only: problems and some solutions. Studia Geophysica Et Geodaetica, 2012, 56, 553-566.	0.5	8
25	Analytical partial derivatives of the phase- and group velocities for Rayleigh waves propagating in a layer on a half-space. Studia Geophysica Et Geodaetica, 2005, 49, 305-321.	0.5	7
26	Experimental Study on CH⁺ Formation from Doubly Charged Carbon and Molecular Hydrogen. Astrophysical Journal, 2021, 910, 155.	4.5	7
27	Fast-beam fragmentation experiments on dissociative recombination. Journal of Physics: Conference Series, 2011, 300, 012008.	0.4	6
28	Wadati method as a simple tool to study seismically active fault zones: a case study from the West-Bohemia/Vogtland region, central Europe. Studia Geophysica Et Geodaetica, 2016, 60, 248-267.	0.5	5
29	On some modifications of Thomson-Haskell matrices for love waves. Studia Geophysica Et Geodaetica, 1973, 17, 186-188.	0.5	4
30	Variations in discharge and temperature of mineral springs at the FrantiÅ¡kovy LÃ¡znÄ› spa, Czech Republic, during a nearby earthquake swarm in 1985/1986. Studia Geophysica Et Geodaetica, 2008, 52, 589-606.	0.5	4
31	Branching ratios in dissociative recombination of formyl and isoformyl cations. Journal of Physics: Conference Series, 2011, 300, 012004.	0.4	4
32	Seismic structure beneath the Reykjanes Peninsula, southwest Iceland, inferred from array-derived Rayleigh wave dispersion. Tectonophysics, 2019, 753, 1-14.	2.2	4
33	Dispersion and amplitudes of love waves for some models of the earth's crust and mantle. Studia Geophysica Et Geodaetica, 1976, 20, 10-38.	0.5	2
34	Partial derivatives of travel-time curves of reflected waves in a layered medium. Studia Geophysica Et Geodaetica, 1980, 24, 355-364.	0.5	2
35	Ð¡ÐÐ’ÐÐ•ÐÐ˜Ð• ÐÐ•Ð—Ð£Ð›Ð¬Ð¢ÐÐ¢ÐžÐ’ Ð“Ð›Ð£Ð‘Ð˜ÐÐÐžÐ“Ðž Ð¡Ð•Ð™Ð¡ÐœÐ¾ÐœÐ˜Ð§Ð•Ð¡ÐšÐžÐ“Ðž Ð—ÐžÐÐ”Ð•ÐÐžÐ’ÐÐ˜Ð˜ Ð		
36	Modifications of the dispersion relations for surface waves in a layer on a half-space. Studia Geophysica Et Geodaetica, 1996, 40, 167-177.	0.5	2

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37	Verification of the shallow seismic crustal structure of the western KruÅ¡nÃ© Hory crystalline unit, Czech Republic. Studia Geophysica Et Geodaetica, 2013, 57, 507-519.	0.5	2
38	Dispersion of Love waves from the 2010 Efpalio earthquake in the Corinth Gulf region, Greece. Journal of Seismology, 2015, 19, 801-806.	1.3	2
39	Equivalence between love waves propagating in double layer and single layer medium. Studia Geophysica Et Geodaetica, 1964, 8, 24-33.	0.5	1
40	The modes of love waves in a double-layer medium. Studia Geophysica Et Geodaetica, 1966, 10, 156-171.	0.5	1
41	On the equivalence of thomson-haskell matrices and knopoff's method for love waves. Studia Geophysica Et Geodaetica, 1974, 18, 120-125.	0.5	1
42	Numerical properties of low-frequency expansions for the reflection and transmission coefficients from transition layers. Studia Geophysica Et Geodaetica, 1980, 24, 124-130.	0.5	1
43	Simplified theory of series for the gravitational and geomagnetic potential. Studia Geophysica Et Geodaetica, 1983, 27, 346-353.	0.5	1
44	Estimation of velocity in the uppermost crust in a part of the western Gulf of Corinth, Greece, from the inversion of P and S arrival times using the neighbourhood algorithm. Journal of Seismology, 2007, 11, 199-204.	1.3	1
45	Anomalous propagation of refracted waves beneath the OrlÃk water reservoir, Czech Republic. Studia Geophysica Et Geodaetica, 2010, 54, 389-401.	0.5	1
46	Publisherâ€™s Note: Resonant structure of low-energy<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msubsup><mml:mi mathvariant="normal">H</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow recombination [Phys. Rev. A83, 032711 (2011)]. Physical Review A, 2011, 83, .	2.5	1
47	Joint interpretation ofLg andSa waves based on spectral amplitudes of higher love wave modes. Studia Geophysica Et Geodaetica, 1977, 21, 242-248.	0.5	0
48	Derivatives of travel time curves in a horizontally layered medium. Studia Geophysica Et Geodaetica, 1983, 27, 233-240.	0.5	0
49	Predictions of magnetic fields for Uranus and Neptune. Studia Geophysica Et Geodaetica, 1986, 30, 291-296.	0.5	0