Paul morgan

List of Publications by Citations

72 papers	3,489 citations	33 h-index	58 g-index
78 ext. papers	3,802 ext. citations	5.7 avg, IF	4.82 L-index

#	Paper	IF	Citations
72	The density structure of subcontinental lithosphere through time. *Earth and Planetary Science Letters*, **2001**, 184, 605-621	5.3	334
71	Continental extension, magmatism and elevation; formal relations and rules of thumb. *Tectonophysics*, **1990**, 174, 39-62	3.1	263
70	Are Lithospheres Forever? Tracking Changes in Subcontinental Lithospheric Mantle Through Time. *GSA Today*, **2001**, 11, 4	2.8	202
69	Initial results from the InSight mission on Mars. *Nature Geoscience*, **2020**, 13, 183-189	18.3	155
68	Heat production in an Archean crustal profile and implications for heat flow and mobilization of heat-producing elements. *Earth and Planetary Science Letters*, **1987**, 85, 439-450	5.3	127
67	Heat flow from a scientific research well at Cajon Pass, California. *Journal of Geophysical Research*, **1992**, 97, 5017		124
66	The thermal structure and thermal evolution of the continental lithosphere. *Physics and Chemistry of the Earth*, **1984**, 15, 107-193		122
65	Constraints on rift thermal processes from heat flow and uplift. *Tectonophysics*, **1983**, 94, 277-298	3.1	106
64	Cenozoic thermal, mechanical and tectonic evolution of the Rio Grande Rift. *Journal of Geophysical Research*, **1986**, 91, 6263		106
63	Hot spot heat transfer: Its application to Venus and implications to Venus and Earth. *Journal of Geophysical Research*, **1983**, 88, 8305		98
62	Thermal regime of the continental lithosphere. *Journal of Geodynamics*, **1984**, 1, 143-166	2.2	90
61	Seismicity and active tectonics of the Egyptian Red Sea margin and the northern Red Sea. *Tectonophysics*, **1986**, 125, 313-324	3.1	89
60	Crustal radiogenic heat production and the selective survival of ancient continental crust. *Journal of Geophysical Research*, **1985**, 90, C561		84
59	Heat flow measurements in Yellowstone Lake and the thermal structure of the Yellowstone Caldera. *Journal of Geophysical Research*, **1977**, 82, 3719-3732		83
58	On the Cenozoic uplift and tectonic stability of the Colorado Plateau. *Journal of Geodynamics*, **1985**, 3, 39-63	2.2	76
57	Crustal structure of the southern Rio Grande Rift determined from seismic refraction profiling. *Journal of Geophysical Research*, **1986**, 91, 6143		76
56	The Heat Flow and Physical Properties Package (HP3) for the InSight Mission. *Space Science Reviews* , **2018**, 214, 1	7.5	72

55	Heat flow in Eastern Egypt: The thermal signature of a continental breakup. *Journal of Geodynamics* , **1985**, 4, 107-131	2.2	71
54	Crustal structure, geophysical models and contemporary tectonism of the colorado plateau. *Tectonophysics*, **1979**, 61, 131-147	3.1	67
53	Introduction Processes of continental rifting. *Tectonophysics*, **1983**, 94, 1-10	3.1	63
52	Thermal regime of the southern Basin and Range Province: 1. Heat flow data from Arizona and the Mojave Desert of California and Nevada. *Journal of Geophysical Research*, **1994**, 99, 22093-22119		58
51	Geology and Physical Properties Investigations by the InSight Lander. *Space Science Reviews*, **2018**, 214, 1	7.5	53
50	The linear relation between temperatures based on the silica content of groundwater and regional heat flow: A new heat flow map of the United States. *Pure and Applied Geophysics*, **1978**, 117, 227-241	2.2	52
49	Lithospheric thinning associated with rifting in East Africa. *Nature*, **1982**, 298, 734-736	50.4	51
48	Continental rifting: Progress and outlook. *Eos*, **1981**, 62, 585	1.5	47
47	Chapter 23: Heat flow and thermal regimes in the continental United States. *Memoir of the Geological Society of America*, **1989**, 493-522		44
46	Heat flow in rift zones. *Geodynamic Series*, **1982**, 107-122		43
45	A Pre-Landing Assessment of Regolith Properties at the InSight Landing Site. *Space Science Reviews* , **2018**, 214, 1	7.5	41
44	Rio Grande Rift in Southern New Mexico, West Texas, and Northern Chihuahua. *Special Publications*, **2013**, 87-106		40
43	Physical changes in the lithosphere associated with thermal relaxation after rifting. *Tectonophysics*, **1987**, 143, 1-11	3.1	40
42	Heat flow in the Kenya rift zone. *Tectonophysics*, **1994**, 236, 131-149	3.1	38
41	Crustal structure, gravity anomalies and heat flow in the southern Rio Grande rift and their relationship to extensional tectonics. *Tectonophysics*, **1990**, 174, 21-37	3.1	36
40	Deep Space 2: The Mars Microprobe Mission. *Journal of Geophysical Research*, **1999**, 104, 27013-27030		35
39	REGIONAL GEOTHERMAL EXPLORATION IN EGYPT*. *Geophysical Prospecting*, **1983**, 31, 361-376	1.9	30
38	Thermal regime of the southern Basin and Range Province: 2. Implications of heat flow for regional extension and metamorphic core complexes. *Journal of Geophysical Research*, **1994**, 99, 22121-22133		29

37	The tensile strength of the lithosphere and the localization of extension. *Geological Society Special Publication*, **1987**, 28, 53-65	1.7	28
36	Geothermal potential of Egypt. *Tectonophysics*, **1983**, 96, 77-94	3.1	28
35	Diamond exploration from the bottom up: regional geophysical signatures of lithosphere conditions favorable for diamond exploration. *Journal of Geochemical Exploration*, **1995**, 53, 145-165	3.8	27
34	Heat flow and the geothermal potential of Egypt. *Pure and Applied Geophysics*, **1978**, 117, 213-226	2.2	26
33	Neogene vertical movements and constraints on extension in the Catalan Coastal Ranges, Iberian Peninsula, and the Valencia trough (western Mediterranean). *Tectonophysics*, **1992**, 203, 185-201	3.1	24
32	Introduction: Background and implications of the linear heat flow-heat production relationship. *Geophysical Research Letters*, **1987**, 14, 248-251	4.9	23
31	Constraints on the age of heating at the Fenton Hill Site, Valles Caldera, New Mexico. *Journal of Geophysical Research*, **1986**, 91, 1899		23
30	Intracontinental rift comparisons: Baikal and Rio Grande Rift Systems. *Eos*, **1989**, 70, 578	1.5	22
29	The silica heat flow interpretation technique: Assumptions and applications. *Journal of Geophysical Research*, **1980**, 85, 7206		21
28	Probing magnetic bottom and crustal temperature variations along the Red Sea margin of Egypt. *Tectonophysics*, **2011**, 510, 337-344	3.1	19
27	Chapter 5 The east african rift system. *Developments in Geotectonics*, **2006**, 25, 213-III		19
26	Conductive heat flux in VC-1 and the thermal regime of Valles Caldera, Jemez Mountains, New Mexico. *Journal of Geophysical Research*, **1988**, 93, 6027		17
25	Structure of the southern Rio Grande Rift from gravity interpretation. *Journal of Geophysical Research*, **1986**, 91, 6157		17
24	Geotherms from the temperature-depth□onstrained solutions of 1-D steady-state heat-flow equation **2016**, 12, 1187-1197		16
23	Chapter 1 Introduction: Progress in understanding continental rifts. *Developments in Geotectonics*, **2006**, 25, 3-26		15
22	Tectonics and heat sources for granulite metamorphism of supracrustal-bearing terranes. *Precambrian Research*, **1992**, 55, 525-538	3.9	13
21	Continuation of heat flow data: A method to construct isotherms in geothermal areas. *Geophysics*, **1981**, 46, 1732-1744	3.1	13
20	Collisional plateaus. *Tectonophysics*, **1985**, 119, 137-151	3.1	11

19	Porosity determinations and the thermal conductivity of rock fragments with application to heat flow on Cyprus. *Earth and Planetary Science Letters*, **1975**, 26, 253-262	5.3	11
18	Earthquake cannons in the Egyptian Eastern Desert. *Bulletin of the Seismological Society of America*, **1981**, 71, 551-554	2.3	10
17	Silica heat flow estimates and heat flow in the Colorado Plateau and adjacent areas. *Journal of Geodynamics*, **1985**, 3, 65-85	2.2	9
16	Thermal Conductivity of the Martian Soil at the InSight Landing Site From HP3 Active Heating Experiments. *Journal of Geophysical Research E: Planets*, **2021**, 126, e2021JE006861	4.1	9
15	Potential Effects of Surface Temperature Variations and Disturbances and Thermal Convection on the Mars InSight HP3 Heat-Flow Determination. *Space Science Reviews*, **2017**, 211, 277-313	7.5	8
14	Microearthquake studies in Egypt carried out by the geological survey of Egypt. *Journal of Geodynamics*, **1987**, 7, 227-249	2.2	8
13	Cyprus Heat Flow with Comments on the Thermal Regime of the Eastern Mediterranean **1979**, 144-151		5
12	Constraints on Rift Thermal Processes from Heat Flow and Uplift. *Developments in Geotectonics*, **1983**, 19, 277-298		3
11	A simple model of gravitationally-driven water flow in a semicircular aquifer to estimate geothermal power potential: Examples from Arizona and Colorado. *Geothermics*, **2016**, 64, 28-41	4.3	2
10	Chapter 8 The baikal rift system. *Developments in Geotectonics*, **2006**, 325-341		2
9	Introduction Processes of Continental Rifting. *Developments in Geotectonics*, **1983**, 19, 1-10		2
8	Geothermal Energy on Mars **2009**, 331-349		2
7	Thermal Conductivity of the Martian Soil at the InSight Landing site from HP^{3} Active Heating Experiments		2
6	Chapter 3D Heat flow in rifts. *Developments in Geotectonics*, **2006**, 99-101		1
5	Of the Earth, Spheres, and Consequences. *Eos*, **2002**, 83, 94	1.5	1
4	Evaluation of the thermal regime of the Valles Caldera, New Mexico, U.S.A., by downward continuation of temperature data. *Tectonophysics*, **1987**, 134, 339-345	3.1	1
3	Comment and Reply on Uplift rate of Adirondack anorthosite measured by fission-track analysis of apatite *Geology*, **1984**, 12, 124	5	1
2	Continental Heat Flow **2014**,		

1 Heat Flow **2003**, 265-278