

# Mikael Beuthe

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

607  
citations

623734

14  
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940533

16  
g-index

17  
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17  
docs citations

17  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isostasy with Love I: elastic equilibrium. <i>Geophysical Journal International</i> , 2021, 225, 2157-2193.	2.4	6
2	Isostasy with Love: II Airy compensation arising from viscoelastic relaxation. <i>Geophysical Journal International</i> , 2021, 227, 693-716.	2.4	2
3	Comment on "Heating of Enceladus due to the dissipation of ocean tides" by R. Tyler. <i>Icarus</i> , 2020, 350, 113934.	2.5	0
4	Mercury's Crustal Thickness Correlates With Lateral Variations in Mantle Melt Production. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087261.	4.0	24
5	Enceladus's crust as a non-uniform thin shell: II tidal dissipation. <i>Icarus</i> , 2019, 332, 66-91.	2.5	31
6	Hydrostatic Interfaces in Bodies With Nonhydrostatic Lithospheres. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1410-1432.	3.6	17
7	Ocean tidal heating in icy satellites with solid shells. <i>Icarus</i> , 2018, 312, 208-230.	2.5	56
8	Enceladus's crust as a non-uniform thin shell: I tidal deformations. <i>Icarus</i> , 2018, 302, 145-174.	2.5	36
9	Enceladus's and Dione's floating ice shells supported by minimum stress isostasy. <i>Geophysical Research Letters</i> , 2016, 43, 10,088.	4.0	126
10	Crustal control of dissipative ocean tides in Enceladus and other icy moons. <i>Icarus</i> , 2016, 280, 278-299.	2.5	44
11	Global contraction/expansion and polar lithospheric thinning on Titan from patterns of tectonism. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1220-1236.	3.6	24
12	Tidal Love numbers of membrane worlds: Europa, Titan, and Co.. <i>Icarus</i> , 2015, 258, 239-266.	2.5	26
13	Tides on Europa: The membrane paradigm. <i>Icarus</i> , 2015, 248, 109-134.	2.5	19
14	Spatial patterns of tidal heating. <i>Icarus</i> , 2013, 223, 308-329.	2.5	64
15	Spatial distribution of volcanoes on Io: Implications for tidal heating and magma ascent. <i>Earth and Planetary Science Letters</i> , 2013, 361, 272-286.	4.4	60
16	East-west faults due to planetary contraction. <i>Icarus</i> , 2010, 209, 795-817.	2.5	35
17	Thin elastic shells with variable thickness for lithospheric flexure of one-plate planets. <i>Geophysical Journal International</i> , 2008, 172, 817-841.	2.4	37