

# Mikael Beuthe

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6864388/publications.pdf>

Version: 2024-02-01

17  
papers

607  
citations

623734

14  
h-index

940533

16  
g-index

17  
all docs

17  
docs citations

17  
times ranked

621  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | 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       |
| 2  | Spatial patterns of tidal heating. <i>Icarus</i> , 2013, 223, 308-329.  | 2.5 | 64        |
| 3  | 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        |
| 4  | Ocean tidal heating in icy satellites with solid shells. <i>Icarus</i> , 2018, 312, 208-230.  | 2.5 | 56        |
| 5  | Crustal control of dissipative ocean tides in Enceladus and other icy moons. <i>Icarus</i> , 2016, 280, 278-299.  | 2.5 | 44        |
| 6  | 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        |
| 7  | Enceladus's crust as a non-uniform thin shell: I tidal deformations. <i>Icarus</i> , 2018, 302, 145-174.  | 2.5 | 36        |
| 8  | East-west faults due to planetary contraction. <i>Icarus</i> , 2010, 209, 795-817.  | 2.5 | 35        |
| 9  | Enceladus's crust as a non-uniform thin shell: II tidal dissipation. <i>Icarus</i> , 2019, 332, 66-91.  | 2.5 | 31        |
| 10 | Tidal Love numbers of membrane worlds: Europa, Titan, and Co.. <i>Icarus</i> , 2015, 258, 239-266.  | 2.5 | 26        |
| 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 | Mercury's Crustal Thickness Correlates With Lateral Variations in Mantle Melt Production. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087261.                    | 4.0 | 24        |
| 13 | Tides on Europa: The membrane paradigm. <i>Icarus</i> , 2015, 248, 109-134.   | 2.5 | 19        |
| 14 | Hydrostatic Interfaces in Bodies With Nonhydrostatic Lithospheres. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 1410-1432.                                | 3.6 | 17        |
| 15 | Isostasy with Love $h_1$ : elastic equilibrium. <i>Geophysical Journal International</i> , 2021, 225, 2157-2193.  | 2.4 | 6         |
| 16 | Isostasy with Love: II Airy compensation arising from viscoelastic relaxation. <i>Geophysical Journal International</i> , 2021, 227, 693-716.                               | 2.4 | 2         |
| 17 | Comment on "Heating of Enceladus due to the dissipation of ocean tides" by R. Tyler. <i>Icarus</i> , 2020, 350, 113934.   | 2.5 | 0         |