

# Ananya Mallik

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1176786/publications.pdf>

Version: 2024-02-01

10  
papers

948  
citations

1040056

9  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

979  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon-dioxide-rich silicate melt in the Earth's upper mantle. <i>Nature</i> , 2013, 493, 211-215.	27.8	290
2	Reaction between MORB-eclogite derived melts and fertile peridotite and generation of ocean island basalts. <i>Earth and Planetary Science Letters</i> , 2012, 329-330, 97-108.	4.4	194
3	Reactive Infiltration of MORB-Eclogite-Derived Carbonated Silicate Melt into Fertile Peridotite at 3 GPa and Genesis of Alkalic Magmas. <i>Journal of Petrology</i> , 2013, 54, 2267-2300.	2.8	113
4	Partial melting of fertile peridotite fluxed by hydrous rhyolitic melt at 2-3 GPa: implications for mantle wedge hybridization by sediment melt and generation of ultrapotassic magmas in convergent margins. <i>Contributions To Mineralogy and Petrology</i> , 2015, 169, 1.	3.1	97
5	Effect of variable CO <sub>2</sub> on eclogite-derived andesite and lherzolite reaction at 3 GPa-Implications for mantle source characteristics of alkalic ocean island basalts. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 1533-1557.	2.5	78
6	Effects of water, depth and temperature on partial melting of mantle-wedge fluxed by hydrous sediment-melt in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 226-243.	3.9	68
7	Nitrogen evolution within the Earth's atmosphere-mantle system assessed by recycling in subduction zones. <i>Earth and Planetary Science Letters</i> , 2018, 482, 556-566.	4.4	58
8	A petrologic study on the effect of mantle overturn: Implications for evolution of the lunar interior. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 238-250.	3.9	21
9	Oceanic lavas sampling the high- <sup>3</sup> He/ <sup>4</sup> He mantle reservoir: Primitive, depleted, or re-enriched?. <i>American Mineralogist</i> , 2015, 100, 2066-2081.	1.9	14
10	CO <sub>2</sub> -Rich Melts in Earth. , 2019, , 129-162.		10