# Pu Sun

List of Publications by Year
in descending order



| 25 | 716 | 567281 15 | 580821 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 26 | 26 | 26 | 529 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Exotic origin of the Chinese continental shelf: new insights into the tectonic evolution of the western Pacific and eastern China since the Mesozoic. Science Bulletin, 2015, 60, 1598-1616. | 9.0 | 128 |
| 2 | Simple and cost-effective methods for precise analysis of trace element abundances in geological materials with ICP-MS. Science Bulletin, 2017, 62, 277-289. | 9.0 | 71 |
| 3 | Lithosphere thinning beneath west North China Craton: Evidence from geochemical and Srâ€“Ndâ€“Hf isotope compositions of Jining basalts. Lithos, 2014, 202-203, 37-54. | 1.4 | 69 |
| 4 | The origin of Cenozoic basalts from central Inner Mongolia, East China: The consequence of recent mantle metasomatism genetically associated with seismically observed paleo-Pacific slab in the mantle transition zone. Lithos, 2016, 240-243, 104-118. | 1.4 | 60 |
| 5 | Lithosphere thickness controls continental basalt compositions: An illustration using Cenozoic basalts from eastern China. Geology, 2020, 48, 128-133. | 4.4 | 40 |
| 6 | Elemental and Srâ€“Ndâ€“Pb isotope geochemistry of the Cenozoic basalts in Southeast China: Insights into their mantle sources and melting processes. Lithos, 2017, 272-273, 16-30. | 1.4 | 37 |
| 7 | Iron isotope fractionation during mid-ocean ridge basalt (MORB) evolution: Evidence from lavas on the East Pacific Rise at 10Â°30â€²N and its implications. Geochimica Et Cosmochimica Acta, 2019, 267, 227-239. | 3.9 | 36 |
| 8 | Eastern China continental lithosphere thinning is a consequence of paleo-Pacific plate subduction: A review and new perspectives. Earth-Science Reviews, 2021, 218, 103680. | 9.1 | 35 |
| 9 | Multiple mantle metasomatism beneath the Leizhou Peninsula, South China: evidence from elemental and Sr-Nd-Pb-Hf isotope geochemistry of the late Cenozoic volcanic rocks. International Geology Review, 2019, 61, 1768-1785. | 2.1 | 29 |
| 10 | Large iron isotope variation in the eastern Pacific mantle as a consequence of ancient low-degree melt metasomatism. Geochimica Et Cosmochimica Acta, 2020, 286, 269-288. | 3.9 | 27 |
| 11 | Mineral Compositions of Syn-collisional Granitoids and their Implications for the Formation of Juvenile Continental Crust and Adakitic Magmatism. Journal of Petrology, 2020, 61, . | 2.8 | 23 |
| 12 | Molybdenum isotope systematics of lavas from the East Pacific Rise: Constraints on the source of enriched mid-ocean ridge basalt. Earth and Planetary Science Letters, 2022, 578, 117283. | 4.4 | 21 |
| 13 | The origin and geodynamic significance of the Mesozoic dykes in eastern continental China. Lithos, 2019, 332-333, 328-339. | 1.4 | 20 |
| 14 | The Early Cretaceous bimodal volcanic suite from the Yinshan Block, western North China Craton: Origin, process and geological significance. Journal of Asian Earth Sciences, 2018, 160, 348-364. | 2.3 | 16 |
| 15 | The petrogenesis and tectonic significance of the Early Cretaceous intraplate granites in eastern China: The Laoshan granite as an example. Lithos, 2019, 328-329, 200-211. | 1.4 | 16 |
| 16 | The evolution and ascent paths of mantle xenolith-bearing magma: Observations and insights from Cenozoic basalts in Southeast China. Lithos, 2018, 310-311, 171-181. | 1.4 | 15 |
| 17 | The Lithospheric Thickness Control on the Compositional Variation of Continental Intraplate Basalts: A Demonstration Using the Cenozoic Basalts and Clinopyroxene Megacrysts From Eastern China. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB019315. | 3.4 | 15 |
| 18 | Origin of the Jurassic-Cretaceous intraplate granitoids in Eastern China as a consequence of paleo-Pacific plate subduction. Lithos, 2018, 322, 405-419. | 1.4 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A re-assessment of nickel-doping method in iron isotope analysis on rock samples using multi-collector inductively coupled plasma mass spectrometry. Acta Geochimica, 2020, 39, 355-364. | 1.7 | 11 |
| 20 | A simple and robust method for calculating temperatures of granitoid magmas. Mineralogy and Petrology, 2022, 116, 93-103. | 1.1 | 8 |
| 21 | The syncollisional granitoid magmatism and crust growth during the West Qinling Orogeny, China: Insights from the Jiaochangba pluton. Geological Journal, 2019, 54, 4014-4033. | 1.3 | 6 |
| 22 | Petrogenesis of the early Cretaceous intra-plate basalts from the Western North China Craton: Implications for the origin of the metasomatized cratonic lithospheric mantle. Lithos, 2021, 380-381, 105887. | 1.4 | 6 |
| 23 | The nature and origin of upper mantle heterogeneity beneath the Mid-Atlantic Ridge 33â€“35Â°N: A Sr-Nd-Hf isotopic perspective. Geochimica Et Cosmochimica Acta, 2021, 307, 72-85. | 3.9 | 6 |
| 24 | Sublithosphere Mantle Crystallization and Immiscible Sulfide Melt Segregation in Continental Basalt Magmatism: Evidence from Clinopyroxene Megacrysts in the Cenozoic Basalts of Eastern China. Journal of Petrology, 2022, 63, . | 2.8 | 5 |
| 25 | Tectonic significance of the Cretaceous granitoids along the southâ€east coast of continental China. Geological Journal, 2020, 55, 173-196. | 1.3 | 2 |