Rais Latypov

List of Publications by Year
in descending order

59 papers	1,351 citations	279798 23 h-index	377865 34 g-index
62 all docs	62 docs citations	62 times ranked	688 citing authors

#	Article	IF	Citations
1	Chromitite layers indicate the existence of large, long-lived, and entirely molten magma chambers. Scientific Reports, 2022, 12, 4092.	3.3	14
2	Idiomorphic oikocrysts of clinopyroxene produced by a peritectic reaction within a solidification front of the Bushveld Complex. Contributions To Mineralogy and Petrology, 2021, 176, 1.	3.1	10
3	Magmatic karst reveals dynamics of crystallization and differentiation in basaltic magma chambers. Scientific Reports, 2021, 11, 7341.	3.3	13
4	Spatial Association Between Platinum Minerals and Magmatic Sulfides Imaged with the Maia Mapper and Implications for the Origin of the Chromite-Sulfide-PGE Association. Canadian Mineralogist, 2021, , .	1.0	10
5	Too large to be seen: Regional structures in Lower and Middle Group chromitites of the Bushveld Complex, South Africa. Ore Geology Reviews, 2021, 139, 104520.	2.7	7
6	Dynamics of evolving magma chambers: textural and chemical evolution of cumulates at the arrival of new liquidus phases. Earth-Science Reviews, 2020, 210, 103388.	9.1	27
7	Fossilized solidification fronts in the Bushveld Complex argue for liquid-dominated magmatic systems. Nature Communications, 2020, 11, 2909.	12.8	24
8	Origin of non-cotectic cumulates: A novel approach. Geology, 2020, 48, 604-608.	4.4	7
9	Monomineralic anorthosites in layered intrusions are indicators of the magma chamber replenishment by plagioclase-only-saturated melts. Scientific Reports, 2020, 10, 3839.	3.3	24
10	Evidence for igneous differentiation in Sudbury Igneous Complex and impact-driven evolution of terrestrial planet proto-crusts. Nature Communications, 2019, 10, 508.	12.8	28
11	Merensky-type platinum deposits and a reappraisal of magma chamber paradigms. Scientific Reports, 2019, 9, 8807.	3.3	17
12	Comment on â€œThe Stillwater Complex: Integrating Zircon Geochronological and Geochemical Constraints on the Age, Emplacement History and Crystallization of a Large, Open-System Layered Intrusionâ€•by Wall et al. (J. Petrology, 59, 153â€"190, 2018). Journal of Petrology, 2019, 60, 1095-1098.	2.8	7
13	Multiple Merensky Reef of the Bushveld Complex, South Africa. Contributions To Mineralogy and Petrology, 2019, 174, 1.	3.1	14
14	A note on the erosive nature of potholes in the Bushveld Complex. South African Journal of Geology, 2019, 122, 555-560.	1.2	9
15	Platinum-bearing chromite layers are caused by pressure reduction during magma ascent. Nature Communications, 2018, 9, 462.	12.8	73
16	New Insights on the Origin of Ultramafic-Mafic Intrusions and Associated Ni-Cu-PGE Sulfide Deposits of the Norilâ€™sk and Taimyr Provinces, Russia. , 2018, , 197-238.		8
17	Origin of discordant ultramafic pegmatites in the Bushveld Complex from externally-derived magmas. South African Journal of Geology, 2018, 121, 287-310.	1.2	8
18	The Merensky Cyclic Unit, Bushveld Complex, South Africa: Reality or Myth?. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 T	2.0	19

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19	Reply to Discussion of â€œArguments against synmagmatic sills in the Bushveld Complex, South Africaâ€• by Roger Scoon and Andrew Mitchell (2018). South African Journal of Geology, 2018, 121, 211-216.	1.2	9
20	The significance of magmatic erosion for bifurcation of UG1 chromitite layers in the Bushveld Complex. Ore Geology Reviews, 2017, 90, 65-93.	2.7	45
21	A triple S-shaped compositional profile in a Karoo dolerite sillâ€”Evidence of concurrent multiple fractionation processes. Geology, 2017, 45, 603-606.	4.4	4
22	An intrusive origin of some UG-1 chromitite layers in the Bushveld Igneous Complex, South Africa: Insights from field relationships. Ore Geology Reviews, 2017, 90, 94-109.	2.7	40
23	Origin of Platinum Deposits in Layered Intrusions by In Situ Crystallization: Evidence from Undercutting Merensky Reef of the Bushveld Complex. Journal of Petrology, 2017, 58, 715-761.	2.8	42
24	A Novel Hypothesis for Origin of Massive Chromitites in the Bushveld Igneous Complex. Journal of Petrology, 2017, 58, 1899-1940.	2.8	50
25	Arguments against syn-magmatic sills in the Bushveld Complex, South Africa. South African Journal of Geology, 2017, 120, 565-574.	1.2	23
26	Mantle source of the 2.44â€“2.50-Ga mantle plume-related magmatism in the Fennoscandian Shield: evidence from Os, Nd, and Sr isotope compositions of the Monchepluton and Kemi intrusions. Mineralium Deposita, 2016, 51, 1055-1073.	4.1	31
27	Chromitite Dykes in the Monchegorsk Layered Intrusion, Russia:<i>In Situ</i>Crystallization from Chromite-Saturated Magma Flowing in Conduits. Journal of Petrology, 2015, 56, 2395-2424.	2.8	15
28	â€˜From Igneous Petrology to Ore Genesisâ€™: an Introduction to this Thematic Issue of<i>Journal of Petrology</i>. Journal of Petrology, 2015, 56, 2295-2296.	2.8	0
29	A fundamental dispute: A discussion of â€œOn some fundamentals of igneous petrologyâ€•by Bruce D. Marsh, Contributions to Mineralogy and Petrology (2013) 166: 665â€“690. Contributions To Mineralogy and Petrology, 2015, 169, 1.	3.1	30
30	Adcumulate mafic dykes in layered intrusions: a case study of a late-stage dyke in the Bayantsagaan layered intrusion, Mongolia. Geological Magazine, 2015, 152, 621-631.	1.5	0
31	Field Evidence for the<i>In Situ</i>Crystallization of the Merensky Reef. Journal of Petrology, 2015, 56, 2341-2372.	2.8	60
32	Petrology and geochemistry of the Karaj Dam basement sill: Implications for geodynamic evolution of the Alborz magmatic belt. Chemie Der Erde, 2015, 75, 237-260.	2.0	13
33	Feâ€“Tiâ€“Vâ€“P ore deposits associated with Proterozoic massif-type anorthosites and related rocks. Earth-Science Reviews, 2015, 141, 56-81.	9.1	79
34	Basal Reversals in Mafic Sills and Layered Intrusions. Springer Geology, 2015, , 259-293.	0.3	11
35	New insights into precious metal enrichment on the Isle of Rum, Scotland. Geology Today, 2014, 30, 134-141.	0.9	7
36	Reply to Comments by Fergus G. F. Gibb and C. Michael B. Henderson on 'Mafic-Ultramafic Sills: New Insights from M- and S-shaped Mineral and Whole-rock Compositional Profiles'. Journal of Petrology, 2014, 55, 1015-1017.	2.8	2

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37	Insights into ore genesis of Ni-Cu-PGE sulfide deposits of the Norilâ€™sk Province (Russia): Evidence from copper and sulfur isotopes. Lithos, 2014, 204, 172-187.	1.4	56
38	Towards a model for the in situ origin of PGE reefs in layered intrusions: insights from chromitite seams of the Rum Eastern Layered Intrusion, Scotland. Contributions To Mineralogy and Petrology, 2013, 166, 309-327.	3.1	52
39	Maficâ€"Ultramafic Sills: New Insights from M- and S-shaped Mineral and Whole-rock Compositional Profiles. Journal of Petrology, 2013, 54, 2155-2191.	2.8	26
40	Plagioclase compositions give evidence for in situ crystallization under horizontal flow conditions in mafic sills. Geology, 2012, 40, 883-886.	4.4	28
41	Prolonged magma emplacement as a mechanism for the origin of the marginal reversal of the Fongenâ€"Hyllingen layered intrusion, Norway. Geological Magazine, 2012, 149, 909-926.	1.5	5
42	Magma differentiation and crystallization in basaltic conduits by two competing petrogenetic processes. Lithos, 2012, 148, 142-161.	1.4	18
43	Processes Operating during the Initial Stage of Magma Chamber Evolution: Insights from the Marginal Reversal of the Imandra Layered Intrusion, Russia. Journal of Petrology, 2012, 53, 3-26.	2.8	18
44	A 'Three-Increase Model' for the Origin of the Marginal Reversal of the Koitelainen Layered Intrusion, Finland. Journal of Petrology, 2011, 52, 733-764.	2.8	28
45	Re-Os AND S ISOTOPE CONSTRAINTS ON TIMING AND SOURCE HETEROGENEITY OF PGE-Cu-Ni SULFIDE ORES: A CASE STUDY AT THE TALNAKH ORE JUNCTION, NORIL'SK PROVINCE, RUSSIA. Canadian Mineralogist, 2011, 49, 1653-1677.	1.0	22
46	On the development of internal chemical zonation in small mafic dykes. Geological Magazine, 2010, 147, 1-12.	1.5	35
47	Fine-scale chemical zonation in small mafic dykes, KestiÃ¶ Island, SW Finland. Geological Magazine, 2009, 146, 485-496.	1.5	16
48	Phase equilibria testing of a multiple pulse mechanism for origin of maficâ€"ultramafic intrusions: a case example of the Shiant Isles Main Sill, NW Scotland. Geological Magazine, 2009, 146, 851-875.	1.5	17
49	Testing the Validity of the Petrological Hypothesis 'No Phenocrysts, No Post-emplacement Differentiation'. Journal of Petrology, 2009, 50, 1047-1069.	2.8	24
50	Two independent processes responsible for compositional zonation in mafic dykes of the Ã…land-Ã…boland Dyke Swarm, KestiÃ¶ Island, SW Finland. Lithos, 2009, 112, 382-396.	1.4	18
51	PGE reefs as an in situ crystallization phenomenon: the Nadezhda gabbronorite body, Lukkulaisvaara layered intrusion, Fennoscandian Shield, Russia. Mineralogy and Petrology, 2008, 92, 211-242.	1.1	10
52	Fine-grained mafic bodies as preserved portions of magma replenishing layered intrusions: the Nadezhda gabbronorite body, Lukkulaisvaara intrusion, Fennoscandian Shield, Russia. Mineralogy and Petrology, 2008, 92, 165-209.	1.1	6
53	Infiltration metasomatism in layered intrusions revisited: a reinterpretation of compositional reversals at the base of cyclic units. Mineralogy and Petrology, 2008, 92, 243-258.	1.1	6
54	Editorial â€" Platinum-group element deposits in mafic and ultramafic rocks â€" a special issue in memoriam of Eugen F. Stumpfl. Mineralogy and Petrology, 2008, 92, 1-2.	1.1	1

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55	Revisiting problem of chilled margins associated with marginal reversals in maficâ€“ultramafic intrusive bodies. Lithos, 2007, 99, 178-206.	1.4	31
56	The Origin of Marginal Compositional Reversals in Basic-Ultrabasic Sills and Layered Intrusions by Soret Fractionation. Journal of Petrology, 2003, 44, 1579-1618.	2.8	53
57	The Origin of Basic-Ultrabasic Sills with S-, D-, and I-shaped Compositional Profiles by in Situ Crystallization of a Single Input of Phenocryst-poor Parental Magma. Journal of Petrology, 2003, 44, 1619-1656.	2.8	61
58	Phase equilibria constraints on relations of ore-bearing intrusions with flood basalts in the Noril'sk region, Russia. Contributions To Mineralogy and Petrology, 2002, 143, 438-449.	3.1	34
59	Graphical analysis of the orthopyroxene-pigeonite-augite-plagioclase equilibrium at liquidus temperatures and low pressure. American Mineralogist, 2001, 86, 547-554.	1.9	6