

Patrick Sakyi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

1,902
citations

23
h-index

41
g-index

90
ext. papers

2,178
ext. citations

3
avg, IF

4.52
L-index

#	Paper	IF	Citations
85	Trace elements in olivine: Proxies for petrogenesis, mineralization and discrimination of mafic-ultramafic rocks. <i>Lithos</i> , 2021 , 388-389, 106085	2.9	4
84	West Africa in Rodinia: High quality paleomagnetic pole from the ~ 860 Ma Manso dyke swarm (Ghana). <i>Gondwana Research</i> , 2021 , 94, 28-43	5.1	4
83	Online Flow-Based Spectrophotometric Determination of Ferrous Iron Mass Fraction and Total Iron Mass Fraction in Twenty-Seven Rock Reference Materials Using a Schlenk line Technique. <i>Geostandards and Geoanalytical Research</i> , 2020 , 44, 785-804	3.6	1
82	Alaskan-type nature and PGE mineralization of the Wuxing mafic-ultramafic complex in eastern part of the Central Asian Orogenic belt. <i>Ore Geology Reviews</i> , 2020 , 123, 103566	3.2	2
81	Paleoproterozoic multiphase magmatism and metamorphism recorded in metamorphic basement rocks of the northern Altyn Tagh, southeastern Tarim Craton. <i>Precambrian Research</i> , 2020 , 346, 105827	3.9	2
80	Petrogenesis of the Ultramafic Zone of the Stillwater Complex in North America: constraints from mineral chemistry and stable isotopes of Li and O. <i>Contributions To Mineralogy and Petrology</i> , 2020 , 175, 1	3.5	6
79	Late Paleozoic metallogenesis and evolution of the Chinese Western Tianshan Collage, NW China, Central Asia orogenic belt. <i>Ore Geology Reviews</i> , 2020 , 124, 103643	3.2	2
78	Origin and tectonic significance of the metavolcanic rocks and mafic enclaves from the Palaeoproterozoic Birimian Terrane, SE West African Craton, Ghana. <i>Geological Magazine</i> , 2020 , 157, 1349-1366	2	1
77	Re-Os geochronology and trace element characteristics of the hydrothermally reworked pyrite of the Gaobanhe sediment-hosted polymetal pyrite deposit in Northern China and its geological significance. <i>Journal of Geochemical Exploration</i> , 2020 , 215, 106561	3.8	2
76	Highly siderophile elements and Os isotope constraints on the genesis of peridotites from the Kizilirmak ophiolite, southern Turkey. <i>Lithos</i> , 2020 , 368-369, 105583	2.9	3
75	Mantle and crust interaction scenario at the crust-mantle transition zone: Depicted from inter-layered pyroxenite-granulite xenolith in Hannuoba area, North China Craton. <i>Physics of the Earth and Planetary Interiors</i> , 2020 , 309, 106594	2.3	
74	Age and tectonic setting of the Jingangku Besshi-type volcanogenic massive sulfide deposit from the Northern Shanxi, North China Craton. <i>Precambrian Research</i> , 2020 , 350, 105873	3.9	1
73	Ultramafic-mafic and granitoids supra-subduction magmatism in the southern Ashanti volcanic belt, Ghana: Evidence from geochemistry and Nd isotopes. <i>Geological Journal</i> , 2020 , 55, 2495-2531	1.7	2
72	Petrology and geochemistry of TTG and K-rich Paleoproterozoic Birimian granitoids of the West African Craton (Ghana): Petrogenesis and tectonic implications. <i>Precambrian Research</i> , 2020 , 336, 105492	3.9	5
71	Petrography of detrital zircons from sandstones of the Lower Devonian Accraian Formation, SE Ghana: Implications on provenance. <i>Geological Journal</i> , 2020 , 55, 3716-3731	1.7	1
70	Subduction-driven heterogeneity of the lithospheric mantle beneath the Cathaysia block, South China. <i>Journal of Asian Earth Sciences</i> , 2019 , 186, 104062	2.8	6
69	Groundwater-lake interactions: an evaluation of the impacts of climate change and increased abstractions on groundwater contribution to the Volta Lake, Ghana. <i>Environmental Earth Sciences</i> , 2019 , 78, 1	2.9	6

68	High-temperature chromium isotope fractionation and its implications: Constraints from the Kizilirmak ophiolite, SE Turkey. <i>Lithos</i> , 2019 , 342-343, 361-369	2.9	1
67	Initial subduction of Neo-Tethyan ocean: Geochemical records in chromite and mineral inclusions in the Pozantik Karsanti ophiolite, southern Turkey. <i>Ore Geology Reviews</i> , 2019 , 110, 102926	3.2	17
66	U-Pb geochronology of zircons from river sediments in Sri Lanka: Implications on early Archean to late Cambrian magmatism and episodic crustal growth. <i>Journal of Asian Earth Sciences</i> , 2019 , 171, 388-412	2.8	5
65	LLHR-type chalcopyrite Re-Os geochronology and geochemistry of the Xiaotongchang Cu deposit in south Ailaoshan and its geological significances. <i>Journal of Geochemical Exploration</i> , 2019 , 198, 123-131	3.8	2
64	Geochemical and Sm-Nd isotopic evidence for the composition of the Palaeoproterozoic crust of the West African Craton in Ghana. <i>Geological Journal</i> , 2019 , 54, 3940-3957	1.7	3
63	Mineralogy, geochemistry, and zircon U-Pb-Hf isotopes of the Paleoproterozoic granulite-facies metamorphic rocks from the Aketashitaga area, southeastern Tarim Craton. <i>Precambrian Research</i> , 2019 , 321, 13-33	3.9	8
62	Melt Penetration in Oceanic Lithosphere: Li Isotope Records from the Pozantik Karsanti Ophiolite in Southern Turkey. <i>Journal of Petrology</i> , 2018 , 59, 191-205	3.9	23
61	Origin of sapphirine- and garnet-bearing clinopyroxenite xenoliths entrained in the Jiande basalts, SE China. <i>Lithos</i> , 2018 , 304-307, 95-108	2.9	2
60	Lithium enrichment and isotopic variation in minerals from peridotite xenoliths from northwestern Ethiopian plateau. <i>Journal of the Geological Society of India</i> , 2018 , 91, 99-108	1.3	
59	Exsolution Lamellae in Olivine Grains of Dunite Units from Different Types of Mafic-Ultramafic Complexes. <i>Acta Geologica Sinica</i> , 2018 , 92, 586-599	0.7	4
58	Ages and tectonic implications of the mafic-ultramafic-carbonatite intrusive rocks and associated Cu-Ni, Fe-P and apatite-vermiculite deposits from the Quruqtagh district, NW China. <i>Ore Geology Reviews</i> , 2018 , 95, 1106-1122	3.2	7
57	LA-ICP-MS U-Pb zircon, columbite-tantalite and ⁴⁰ Ar/ ³⁹ Ar muscovite age constraints for the rare-element pegmatite dykes in the Altai orogenic belt, NW China. <i>Geological Magazine</i> , 2018 , 155, 707-728	2.8	17
56	Carbonatite-metasomatism signatures hidden in silicate-metasomatized mantle xenoliths from NE China. <i>Geological Journal</i> , 2018 , 53, 682-691	1.7	6
55	Geochemical and Sr-Nd isotopic records of Paleoproterozoic metavolcanics and mafic intrusive rocks from the West African Craton: Evidence for petrogenesis and tectonic setting. <i>Geological Journal</i> , 2018 , 53, 725-741	1.7	5
54	Zircon Trace Element Constraints on the Evolution of the Paleoproterozoic Birimian Granitoids of the West African Craton (Ghana). <i>Journal of Earth Science (Wuhan, China)</i> , 2018 , 29, 43-56	2.2	5
53	Origin of Reverse Zoned Cr-Spinels from the Paleoproterozoic Yanmenguan Mafic-Ultramafic Complex in the North China Craton. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 62	2.4	12
52	Geology, Re-Os and U-Pb geochronology and sulfur isotope of the the Donggebi porphyry Mo deposit, Xinjiang, NW China, Central Asian Orogenic Belt. <i>Journal of Asian Earth Sciences</i> , 2018 , 165, 270-284	2.8	8
51	Evolutionary analysis of groundwater flow: Application of multivariate statistical analysis to hydrochemical data in the Densu Basin, Ghana. <i>Journal of African Earth Sciences</i> , 2018 , 138, 167-176	2.2	31

50	Platinum-Group Mineral Occurrences and Platinum-Group Elemental Geochemistry of the Xiadong Alaskan-Type Complex in the Southern Central Asian Orogenic Belt. <i>Minerals (Basel, Switzerland)</i> , 2018 , 8, 494	2.4	5
49	Nature and evolution of lithospheric mantle beneath the southern Ethiopian rift zone: evidence from petrology and geochemistry of mantle xenoliths. <i>International Journal of Earth Sciences</i> , 2017 , 106, 939-958	2.2	6
48	Estimation of groundwater recharge in sedimentary rock aquifer systems in the Oti basin of Gushiegu District, Northern Ghana. <i>Journal of African Earth Sciences</i> , 2017 , 131, 272-283	2.2	6
47	Partial melting control of lithium concentrations and isotopes in the Cenozoic lithospheric mantle beneath Jiande area, the Cathaysia block of SE China. <i>Chemical Geology</i> , 2017 , 466, 750-761	4.2	7
46	Geochemical and Nd-isotopic compositions of juvenile-type Paleoproterozoic Birimian sedimentary rocks from southeastern West African Craton (Ghana): Constraints on provenance and tectonic setting. <i>Precambrian Research</i> , 2017 , 300, 40-52	3.9	13
45	Chromite-induced magnesium isotope fractionation during mafic magma differentiation. <i>Science Bulletin</i> , 2017 , 62, 1538-1546	10.6	17
44	Neoproterozoic Algoma-type banded iron formation from the Northern Shanxi, the Trans-North China Orogen: SIMS U-Pb age, origin and tectonic setting. <i>Precambrian Research</i> , 2017 , 303, 548-572	3.9	9
43	Lithium isotopic composition of Alaskan-type intrusion and its implication. <i>Lithos</i> , 2017 , 286-287, 363-368.	3.9	7
42	Paleozoic subduction-related magmatism in the Duobagou area, Dunhuang block: Constrained by zircon U-Pb geochronology and Lu-Hf isotopes and whole-rock geochemistry of metagneous rocks. <i>Lithosphere</i> , 2017 , 9, 1012-1032	2.7	13
41	Determination of the mineral stability field of evolving groundwater in the Lake Bosumtwi impact crater and surrounding areas. <i>Journal of African Earth Sciences</i> , 2016 , 121, 286-300	2.2	8
40	Determination of multi-element concentrations at ultra-low levels in alternating magnetite and pyrite by HR-ICP-MS using matrix removal and preconcentration. <i>Microchemical Journal</i> , 2016 , 127, 237-246	4.8	13
39	Decoupling of whole-rock Nd/Hf and zircon Hf/D isotopic compositions of a 284 Ma mafic-ultramafic intrusion in the Beishan Terrane, NW China. <i>International Journal of Earth Sciences</i> , 2015 , 104, 1721-1737	2.2	9
38	Mineralogy of the Koktokay No. 3 pegmatite, Altai, NW China: implications for evolution and melt-fluid processes of rare-metal pegmatites. <i>European Journal of Mineralogy</i> , 2015 , 27, 433-457	2.2	20
37	Geochemistry and geochronology of granitoids in the Kibi-Asamankese area of the Kibi-Winneba volcanic belt, southern Ghana. <i>Journal of African Earth Sciences</i> , 2015 , 102, 166-179	2.2	11
36	Large Lithium Isotopic Variations in Minerals from Peridotite Xenoliths from the Eastern North China Craton. <i>Journal of Geology</i> , 2015 , 123, 79-94	2	14
35	The petrogenesis and tectonic implications of the granitoid gneisses from Xingxingxia in the eastern segment of Central Tianshan. <i>Journal of Asian Earth Sciences</i> , 2014 , 88, 277-292	2.8	37
34	Petrological, geochemical and geochronological constraints on the origin of the Xiadong Alaskan type complex in NW China and tectonic implication for the evolution of southern Central Asian Orogenic Belt. <i>Lithos</i> , 2014 , 200-201, 226-240	2.9	34
33	Early Mesozoic tectono-magmatic activity and mineralization in Northeast China: evidence from Re-Os to U-Pb studies of the Taipingshan porphyry Cu-Mo deposit in the Derbugan metallogenic belt. <i>International Geology Review</i> , 2014 , 56, 1837-1851	2.3	13

32	New zircon U ^{Pb} ages for erratic emplacement of 2213±130Ma Paleoproterozoic calc-alkaline I-type granitoid rocks in the Lawra Volcanic Belt of Northwestern Ghana, West Africa. <i>Precambrian Research</i> , 2014 , 254, 149-168	3.9	16
31	Petrology and geochronology of Paleoproterozoic garnet-bearing amphibolites from the Dunhuang Block, Eastern Tarim Craton. <i>Precambrian Research</i> , 2014 , 255, 163-180	3.9	38
30	Formation age and genesis of the Gongchangling Neoproterozoic banded iron deposit in eastern Liaoning Province: Constraints from geochemistry and SHRIMP zircon U ^{Pb} dating. <i>Precambrian Research</i> , 2014 , 254, 306-322	3.9	36
29	Petrogenesis and mineralization of the Hulu Ni-Cu sulphide deposit in Xinjiang, NW China: constraints from Sr-Nd isotopic and PGE compositions. <i>International Geology Review</i> , 2014 , 56, 711-733	2.3	11
28	Lithium elemental and isotopic variations in rock-melt interaction. <i>Chemie Der Erde</i> , 2014 , 74, 705-713	4.3	10
27	Discovery of a hidden BIF deposit in Anhui province, China by integrated geological and geophysical investigations. <i>Ore Geology Reviews</i> , 2014 , 63, 470-477	3.2	20
26	Distinguishing silicate and carbonate mantle metasomatism by using lithium and its isotopes. <i>Chemical Geology</i> , 2014 , 381, 67-77	4.2	29
25	Late Paleozoic metallogenesis and evolution of the East Tianshan Orogenic Belt (NW China, Central Asia Orogenic Belt). <i>Geology of Ore Deposits</i> , 2014 , 56, 493-512	0.7	21
24	Conceptualization of the hydrogeological system of some sedimentary aquifers in Savelugu-Nanton and surrounding areas, Northern Ghana. <i>Hydrological Processes</i> , 2013 , 27, 1664-1676	3.3	18
23	Magma source and tectonics of the Xiangshanzhong mafic-ultramafic intrusion in the Central Asian Orogenic Belt, NW China, traced from geochemical and isotopic signatures. <i>Lithos</i> , 2013 , 170-171, 144-163	2.9	33
22	A contribution to common Carius tube distillation techniques. <i>Journal of Analytical Atomic Spectrometry</i> , 2013 , 28, 396	3.7	17
21	The metasedimentary rocks from the eastern margin of the Tarim Craton: Petrology, geochemistry, zircon U ^{Pb} dating, Hf isotopes and tectonic implications. <i>Lithos</i> , 2013 , 179, 120-136	2.9	48
20	Late Paleozoic mafic-ultramafic intrusions in southern Central Asian Orogenic Belt (NW China): Insight into magmatic Ni-Cu sulfide mineralization in orogenic setting. <i>Ore Geology Reviews</i> , 2013 , 51, 57-73	3.2	49
19	Subduction-induced mantle heterogeneity beneath Eastern Tianshan and Beishan: Insights from Nd-Sr-Ba isotopic mapping of Late Paleozoic mafic-ultramafic complexes. <i>Lithos</i> , 2012 , 134-135, 41-51	2.9	78
18	Breakdown of orthopyroxene contributing to melt pockets in mantle peridotite xenoliths from the Western Qinling, central China: constraints from in situ LA-ICP-MS mineral analyses. <i>Mineralogy and Petrology</i> , 2012 , 104, 225-247	1.6	12
17	Occurrence of an Alaskan-type complex in the Middle Tianshan Massif, Central Asian Orogenic Belt: inferences from petrological and mineralogical studies. <i>International Geology Review</i> , 2012 , 54, 249-269	2.3	65
16	Extremely high Li and low ⁷ Li signatures in the lithospheric mantle. <i>Chemical Geology</i> , 2012 , 292-293, 149-157	4.2	35
15	Inherited Pb isotopic records in olivine antecryst-hosted melt inclusions from Hawaiian lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 95, 169-195	5.5	32

14	Geochronologic-petrochemical studies of the Hongshishan mafic-ultramafic intrusion, Beishan area, Xinjiang (NW China): petrogenesis and tectonic implications. <i>International Geology Review</i> , 2012 , 54, 270-289	2.3	41
13	Identifying key processes in the hydrochemistry of a basin through the combined use of factor and regression models. <i>Journal of Earth System Science</i> , 2012 , 121, 491-507	1.8	38
12	Olivine compositional mapping of mafic-ultramafic complexes in eastern Xinjiang (NW China): Implications for Cu-Ni mineralization and tectonic dynamics. <i>Journal of Earth Science (Wuhan, China)</i> , 2012 , 23, 41-53	2.2	23
11	Geochemistry and geochronology of acidic rocks in the Beishan region, NW China: Petrogenesis and tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2011 , 41, 31-43	2.8	49
10	U-Pb ages and Hf isotopes of zircons from Late Paleozoic mafic-ultramafic units in the southern Central Asian Orogenic Belt: Tectonic implications and evidence for an Early-Permian mantle plume. <i>Gondwana Research</i> , 2011 , 20, 516-531	5.1	217
9	Late Paleozoic magmatic record of East Junggar, NW China and its significance: Implication from zircon U-Pb dating and Hf isotope. <i>Gondwana Research</i> , 2011 , 20, 532-542	5.1	68
8	Geochemical syntheses among the cratonic, off-cratonic and orogenic garnet peridotites and their tectonic implications. <i>International Journal of Earth Sciences</i> , 2011 , 100, 695-715	2.2	9
7	The origin of spongy texture in minerals of mantle xenoliths from the Western Qinling, central China. <i>Contributions To Mineralogy and Petrology</i> , 2011 , 161, 465-482	3.5	46
6	A new modification of the sample introduction system for Os isotope ratio measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2011 , 26, 1245	3.7	11
5	SIMS zircon U-Pb geochronology and Sr-Nd isotopes of Ni-Cu-Bearing Mafic-Ultramafic Intrusions in Eastern Tianshan and Beishan in correlation with flood basalts in Tarim Basin (NW China): Constraints on a ca. 280 Ma mantle plume. <i>Numerische Mathematik</i> , 2011 , 311, 237-260	5.3	276
4	Formation of melt pocket in mantle peridotite xenolith from western Qinling, Central China: Partial melting and metasomatism. <i>Journal of Earth Science (Wuhan, China)</i> , 2010 , 21, 641-668	2.2	18
3	Compositionally stratified lithosphere and carbonatite metasomatism recorded in mantle xenoliths from the Western Qinling (Central China). <i>Lithos</i> , 2010 , 116, 111-128	2.9	35
2	Geochemistry of Paleoproterozoic metasedimentary rocks from the Birim diamondiferous field, southern Ghana: Implications for provenance and crustal evolution at the Archean-Proterozoic boundary. <i>Geochemical Journal</i> , 2004 , 38, 215-228	0.9	56
1	REE mineralization related to carbonatites and alkaline magmatism in the northern Tarim basin, NW China: implications for a possible Permian large igneous province. <i>International Journal of Earth Sciences</i> , 2004 , 1	2.2	