

# Kyle Larson

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

1,865  
citations

361413

20  
h-index

276875

41  
g-index

69  
all docs

69  
docs citations

69  
times ranked

908  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining the Himalayan Main Central Thrust in Nepal. <i>Journal of the Geological Society</i> , 2008, 165, 523-534.	2.1	276
2	How does the mid-crust accommodate deformation in large, hot collisional orogens? A review of recent research in the Himalayan orogen. <i>Journal of Structural Geology</i> , 2015, 78, 119-133.	2.3	122
3	Relationships between displacement and distortion in orogens: Linking the Himalayan foreland and hinterland in central Nepal. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1116-1134.	3.3	107
4	Reconciling Himalayan midcrustal discontinuities: The Main Central thrust system. <i>Earth and Planetary Science Letters</i> , 2015, 429, 139-146.	4.4	91
5	Kinematics of the Greater Himalayan sequence, Dhaulagiri Himal: implications for the structural framework of central Nepal. <i>Journal of the Geological Society</i> , 2009, 166, 25-43.	2.1	85
6	A Pâ€ˆTâ€™â€™D discontinuity in east-central Nepal: Implications for the evolution of the Himalayan mid-crust. <i>Lithos</i> , 2013, 179, 275-292.	1.4	79
7	Extrusion vs. duplexing models of Himalayan mountain building 3: duplexing dominates from the Oligocene to Present. <i>International Geology Review</i> , 2015, 57, 1-27.	2.1	75
8	Symmetry Controlled, Genetic Presentation of Bioactive Proteins on the P22 Virus-like Particle Using an External Decoration Protein. <i>ACS Nano</i> , 2015, 9, 9134-9147.	14.6	66
9	Midcrustal discontinuities and the assembly of the Himalayan midcrust. <i>Tectonics</i> , 2014, 33, 718-740.	2.8	64
10	The South Tibetan Detachment System: history, advances, definition and future directions. <i>Geological Society Special Publication</i> , 2019, 483, 377-400.	1.3	56
11	Out-of-sequence deformation and expansion of the Himalayan orogenic wedge: insight from the Changgo culmination, south central Tibet. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	55
12	Lateral extrusion, underplating, and out-of-sequence thrusting within the Himalayan metamorphic core, Kanchenjunga, Nepal. <i>Lithosphere</i> , 2015, 7, 441-464.	1.4	53
13	Petrochronologic record of metamorphism and melting in the upper Greater Himalayan sequence, Manasluâ€™Himal Chuli Himalaya, west-central Nepal. <i>Lithosphere</i> , 2011, 3, 379-392.	1.4	48
14	Initiation of crustal shortening in the Himalaya. <i>Terra Nova</i> , 2015, 27, 169-174.	2.1	38
15	Building the Hindu Kush: monazite records of terrane accretion, plutonism and the evolution of the Himalayaâ€™Karakoramâ€™Tibet orogen. <i>Terra Nova</i> , 2014, 26, 395-401.	2.1	35
16	Influence of deformation and fluids on Ar retention in white mica: Dating the Dover Fault, Newfoundland Appalachians. <i>Lithos</i> , 2016, 254-255, 1-17.	1.4	31
17	Rifting, subduction and collisional records from pluton petrogenesis and geochronology in the Hindu Kush, NW Pakistan. <i>Gondwana Research</i> , 2016, 35, 286-304.	6.0	29
18	The geology of the Tama Kosi and Rolwaling valley region, East-Central Nepal. , 2012, 8, 507-517.		27

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19	Preservation of a Paleoproterozoic rifted margin in the Himalaya: Insight from the Ulleri-Phaplu-Melung orthogneiss. <i>Geoscience Frontiers</i> , 2019, 10, 873-883.	8.4	27
20	Extrusion vs. duplexing models of Himalayan mountain building 2: The South Tibet detachment at the Dadeldhura klippe. <i>Tectonophysics</i> , 2016, 667, 87-107.	2.2	26
21	Thermodynamic modelling of phosphate minerals and its implications for the development of P-T-t histories: A case study in garnet - monazite bearing metapelites. <i>Lithos</i> , 2019, 334-335, 141-160.	1.4	25
22	Defining shear zone boundaries using fabric intensity gradients: An example from the east-central Nepal Himalaya. , 2017, 13, 771-781.		23
23	Mid-Miocene initiation of E-W extension and recoupling of the Himalaya. <i>Terra Nova</i> , 2020, 32, 151-158.	2.1	21
24	The tectonic evolution of the exhumed Himalayan metamorphic core in the Likhu Khola region, East Central Nepal. <i>Journal of Metamorphic Geology</i> , 2017, 35, 663-693.	3.4	20
25	Tectonostratigraphy, deformation, and metamorphism of the Himalayan mid-crust exposed in the Likhu Khola region, east-central Nepal. , 2014, 10, 292-307.		19
26	The monazite record of pluton assembly: Mapping manaslu using petrochronology. <i>Chemical Geology</i> , 2019, 530, 119309.	3.3	19
27	Timing of metamorphism and deformation in the Swat valley, northern Pakistan: Insight into garnet-monazite HREE partitioning. <i>Geoscience Frontiers</i> , 2019, 10, 849-861.	8.4	19
28	Timescales of subduction initiation and evolution of subduction thermal regimes. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117521.	4.4	19
29	Cooling, exhumation, and kinematics of the Kanchenjunga Himal, far east Nepal. <i>Tectonics</i> , 2017, 36, 1037-1052.	2.8	18
30	Contrasting accessory mineral behavior in minimum-temperature melts: Empirical constraints from the Himalayan metamorphic core. <i>Lithos</i> , 2018, 312-313, 57-71.	1.4	18
31	Refining the structural framework of the Khimti Khola region, east-central Nepal Himalaya, using quartz textures and c-axis fabrics. <i>Journal of Structural Geology</i> , 2018, 107, 142-152.	2.3	17
32	Mesozoic to Cenozoic tectono-metamorphic history of the South Pamir-Hindu Kush (Chitral), Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 petrochronology. <i>Journal of Metamorphic Geology</i> , 2019, 37, 633-666.	3.4	17
33	Deformational Temperatures Across the Lesser Himalayan Sequence in Eastern Bhutan and Their Implications for the Deformation History of the Main Central Thrust. <i>Tectonics</i> , 2020, 39, e2019TC005914.	2.8	17
34	Anatexis, cooling, and kinematics during orogenesis: Miocene development of the Himalayan metamorphic core, east-central Nepal. , 2016, 12, 1575-1593.		15
35	The Cenozoic kinematics of Qatar: Evidence for high-angle faulting along the Dukhan anticline™. <i>Marine and Petroleum Geology</i> , 2018, 92, 953-961.	3.3	15
36	Tectonic implications of <sup>40</sup> Ar/ <sup>39</sup> Ar muscovite dates from the Mt. Haley stock and Lussier River stock, near Fort Steele, British Columbia. <i>Canadian Journal of Earth Sciences</i> , 2006, 43, 1673-1684.	1.3	13

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37	The southern termination of the Western Main Ranges of the Canadian Rockies, near Fort Steele, British Columbia: stratigraphy, structure, and tectonic implications. <i>Bulletin of Canadian Petroleum Geology</i> , 2006, 54, 37-61.	0.3	12
38	Metamorphism and geochronology of the exhumed Himalayan midcrust, Likhu Khola region, east-central Nepal: Recognition of a tectonometamorphic discontinuity. <i>Lithosphere</i> , 2014, 6, 361-376.	1.4	11
39	The effect of hydrous mineral content on competitive strain localization mechanisms in felsic granulites. <i>Journal of Structural Geology</i> , 2020, 134, 104015.	2.3	11
40	Eocene Metamorphism and Anatexis in the Kathmandu Klippe, Central Nepal: Implications for Early Crustal Thickening and Initial Rise of the Himalaya. <i>Tectonics</i> , 2021, 40, e2020TC006532.	2.8	11
41	A structural model for the South Tibetan detachment system in northwestern Bhutan from integration of temperature, fabric, strain, and kinematic data. <i>Lithosphere</i> , 2019, 11, 465-487.	1.4	10
42	Delineation of multiple metamorphic events in the Himalayan Kathmandu Complex, central Nepal. <i>Journal of Metamorphic Geology</i> , 2021, 39, 443-472.	3.4	10
43	Microscale strain partitioning? Differential quartz crystallographic fabric development in Phyllite, Hindu Kush, Northwestern Pakistan. <i>Solid Earth</i> , 2014, 5, 1319-1327.	2.8	9
44	The Greater Himalayan Thrust Belt: Insight Into the Assembly of the Exhumed Himalayan Metamorphic Core, Modi Khola Valley, Central Nepal. <i>Tectonics</i> , 2020, 39, e2020TC006252.	2.8	9
45	Intracrystalline vorticity record of flow kinematics during shear zone reactivation. <i>Journal of Structural Geology</i> , 2020, 140, 104134.	2.3	9
46	Re-evaluating monazite as a record of metamorphic reactions. <i>Geoscience Frontiers</i> , 2022, 13, 101340.	8.4	9
47	Cooling, exhumation, and deformation in the Hindu Kush, NW Pakistan: New constraints from preliminary $^{40}\text{Ar}/^{39}\text{Ar}$ and fission track analyses. <i>Journal of Asian Earth Sciences</i> , 2018, 158, 415-427.	2.3	8
48	Structural evolution of a crustal-scale shear zone through a decreasing temperature regime: The Yukon River shear zone, Yukon-Tanana terrane, Northern Cordillera. <i>Lithosphere</i> , 0, , .	1.4	8
49	Progressive development of E-W extension across the Tibetan plateau: A case study of the Thakkhola graben, west-central Nepal. <i>International Geology Review</i> , 2021, 63, 1900-1919.	2.1	8
50	Decrypting the polymetamorphic record of the Himalaya. <i>Geology</i> , 2022, 50, 588-592.	4.4	6
51	Thermometry and Microstructural Analysis Imply Protracted Extensional Exhumation of the Tso Moriri UHP Nappe, Northwestern Himalaya: Implications for Models of UHP Exhumation. <i>Tectonics</i> , 2020, 39, e2020TC006482.	2.8	5
52	The P-T-t-D evolution of the Mahabharat, east-central Nepal: The out-of-sequence development of the Himalaya. <i>Geoscience Frontiers</i> , 2020, , 101057-101057.	8.4	5
53	The structural evolution of the Qomolangma Formation, Mount Everest, Nepal. <i>Journal of Structural Geology</i> , 2020, 138, 104123.	2.3	5
54	A refined approach for quantitative kinematic vorticity number estimation using microstructures. <i>Journal of Structural Geology</i> , 2021, 153, 104459.	2.3	5

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55	Kinematic implications of regional $^{40}\text{Ar}/^{39}\text{Ar}$ ages, east-central Nepal. <i>Journal of Asian Earth Sciences</i> , 2019, 172, 383-392.	2.3	4
56	Contact metamorphism of the Tethyan Sedimentary Sequence, Upper Mustang region, west-central Nepal. <i>Geological Magazine</i> , 2020, 157, 1917-1932.	1.5	4
57	Timing of slip across the South Tibetan detachment system and Yadong-Gulu graben, Eastern Himalaya. <i>Journal of the Geological Society</i> , 2021, 178, .	2.1	4
58	Old subcontinental mantle zircon below Oahu. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	6.8	4
59	New geochronological and geochemical constraints on petrogenesis and tectonic setting of the Loe-Shilman carbonatite complex, Northwest Pakistan. <i>Lithos</i> , 2021, 404-405, 106497.	1.4	4
60	A plate tectonic view from the top of the world. <i>Terra Nova</i> , 2022, 34, 224-230.	2.1	3
61	Miocene anatexis, cooling and exhumation in the Khumbu Himal, Nepal. <i>International Geology Review</i> , 2022, 64, 2008-2033.	2.1	2