Elizabeth Catlos

List of Publications by Year
in descending order

70 papers	2,810 citations	331670 21 h-index	197818 49 g-index
79 all docs	79 docs citations	79 times ranked	1778 citing authors

#	Article	IF	Citations
1	Imbrication and Erosional Tectonics Recorded by Garnets in the Sikkim Himalayas. Geosciences (Switzerland), 2022, 12, 146.	2.2	1
2	Vertebrate lies? Arthropods were the first land animals!. Geology Today, 2022, 38, 65-68.	0.9	1
3	Myriapod divergence times differ between molecular clock and fossil evidence: U/Pb zircon ages of the earliest fossil millipede-bearing sediments and their significance. Historical Biology, 2021, 33, 2009-2013.	1.4	7
4	Late Silurian zircon Uâ€“Pb ages from the Ludlow and Downton bone beds, Welsh Basin, UK. Journal of the Geological Society, 2021, 178, .	2.1	3
5	Western Carpathian mid-Permian Magmatism: Petrographic, geochemical, and geochronological data. Data in Brief, 2021, 36, 107026.	1.0	0
6	Evidence for widespread mid-Permian magmatic activity related to rifting following the Variscan orogeny (Western Carpathians). Lithos, 2021, 390-391, 106083.	1.4	8
7	Myriapod divergence times differ between molecular clock and fossil evidence: U/Pb zircon ages of the earliest fossil millipede-bearing sediments and their significance. Historical Biology, 2021, 33, 2014-2018.	1.4	10
8	U-PB LA-ICP-MS ZIRCON DATES FROM K-BENTONITES IN THE UPPER ORDOVICIAN OF EASTERN NORTH AMERICA AND BRITAIN. , 2021, , .		0
9	Garnet Chemical Zoning Based Thermobarometry: Method Evaluation and Applications in the Menderes Massif, Western Turkey. Geosciences (Switzerland), 2021, 11, 505.	2.2	0
10	Highâ€Resolution Pâ€Tâ€Time Paths Across Himalayan Faults Exposed Along the Bhagirathi Transect NW India: Implications for the Construction of the Himalayan Orogen and Ongoing Deformation. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009353.	2.5	14
11	ION MICROPROBE ²³²Th-²⁰⁸Pb AGES FROM HIGH COMMON Pb MONAZITE, MOREFIELD MINE, AMELIA COUNTY, VIRGINIA: IMPLICATIONS FOR ALLEGHANIAN TECTONICS (AMERICAN) Tj ETQq1 1 0.784314 rgBT /O 404-404.	1.4	0
12	Documenting Exhumation in the Central and Northern Menderes Massif (Western Turkey): New Insights from Garnet-Based P-T Estimates and K-Feldspar 40Ar/39Ar Geochronology. Lithosphere, 2020, 2020, .	1.4	5
13	Combining Analytical Approaches to Decipher Geological Problems: An Example Using the Morefield (Virginia, USA) Monazite Age Standard Using SIMS + LA-ICP-MS + EMPA. , 2020, , .		0
14	UT AUSTIN JACKSON SCHOOL OF GEOSCIENCES ENHANCING DIVERSITY IN GEOSCIENCE GRADUATE EDUCATION (EDGE) PREVIEW: IMPACTS AND PRACTICES. , 2020, , .		0
15	Implications for Thrustâ€Related Shortening Punctuated by Extension From Pâ€T Paths and Geochronology of Garnetâ€Bearing Schists, Southern (Ã‡ine) Menderes Massif, SW Turkey. Tectonics, 2019, 38, 1974-1998.	2.8	8
16	Nature, age and emplacement of the Spongtang ophiolite, Ladakh, NW India. Journal of the Geological Society, 2019, 176, 284-305.	2.1	11
17	EVIDENCE FOR THE ORDOVICIAN METEORITE EVENT IN OKLAHOMA, USA. , 2019, , .		0
18	Modeling Highâ€Resolution Pressureâ€Temperature Paths Across the Himalayan Main Central Thrust (Central Nepal): Implications for the Dynamics of Collision. Tectonics, 2018, 37, 2363-2388.	2.8	27

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19	DEVELOPMENT AND USE OF THE HIGHEST-RESOLUTION GARNET-BASED P-T PATHS. , 2018, , .		0
20	THERMOCHRONOLOGICAL INSIGHTS ON THE TIMING OF THE SLATE ISLANDS IMPACT STRUCTURE, LAKE SUPERIOR, CANADA. , 2018, , .		0
21	Fluids along the North Anatolian Fault, Niksar basin, north central Turkey: Insight from stable isotopic and geochemical analysis of calcite veins. Journal of Structural Geology, 2017, 101, 58-79.	2.3	4
22	Age and emplacement of the Permianâ€“Jurassic Menghai batholith, Western Yunnan, China. International Geology Review, 2017, 59, 919-945.	2.1	18
23	Speculations Linking Monazite Compositions to Origin: Llallagua Tin Ore Deposit (Bolivia). Resources, 2017, 6, 36.	3.5	6
24	A U-Pb zircon age constraint on the oldest-recorded air-breathing land animal. PLoS ONE, 2017, 12, e0179262.	2.5	29
25	LESSONS LEARNED FROM AN INTERNATIONAL RESEARCH EXPERIENCE FROM THE UNDERREPRESENTED STUDENT PERSPECTIVE. , 2017, , .		0
26	Ion microprobe ²³²Th-²⁰⁸Pb ages from high common Pb monazite, Morefield Mine, Amelia County, Virginia: Implications for Alleghanian tectonics. Numerische Mathematik, 2016, 316, 470-503.	1.4	4
27	Nepal at Risk: Interdisciplinary Lessons Learned from the April 2015 Nepal (Gorkha) Earthquake and Future Concerns. GSA Today, 2016, 26, 42-43.	2.0	4
28	HIGH-RESOLUTION GARNET P-T PATHS FOR THE CENTRAL MENDERES MASSIF, WESTERN TURKEY. , 2016, , .		0
29	RESPONSE TO SLAB ROLL-BACK: REVEALING THE GEODYNAMIC HISTORY OF WESTERN TURKEY FROM THE BIGA PENINSULA TO THE MENDERES MASSIF. , 2016, , .		0
30	DOCUMENTING TRACE ELEMENTS IN HYDROTHERMAL TOURMALINE: NEMAZGAH PLUTON, WESTERN TURKEY. , 2016, , .		0
31	LARGE SCALE CENOZOIC CRUSTAL EXTENSION IN WESTERN ANATOLIA EXTENDED TERRANE (WAET), TURKEY. , 2016, , .		0
32	Uâ€“Pb zircon ages and geochemistry of Kangareh and Taghiabad mafic bodies in northern Sanandajâ€“Sirjan Zone, Iran: Evidence for intra-oceanic arc and back-arc tectonic regime in Late Jurassic. Tectonophysics, 2015, 660, 47-64.	2.2	45
33	Timing Aegean extension: Evidence from in situ Uâ€“Pb geochronology and cathodoluminescence imaging of granitoids from NW Turkey. Lithos, 2013, 180-181, 92-108.	1.4	21
34	Relationships between very high pressure subduction complex assemblages and intrusive granitoids in the TavÅŸanlÄ± Zone, Sivrihisar Massif, central Anatolia. Tectonophysics, 2013, 595-596, 183-197.	2.2	14
35	Geochemistry and geochronology of meta-igneous rocks from the Tokat Massif, north-central Turkey: implications for Tethyan reconstructions. International Journal of Earth Sciences, 2013, 102, 2175-2198.	1.8	13
36	Versatile Monazite: resolving geological records and solving challenges in materials science: Generalizations about monazite: Implications for geochronologic studies. American Mineralogist, 2013, 98, 819-832.	1.9	62

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37	Zircon ages from the BeypazarÄ± granitoid pluton (north central Turkey): tectonic implications. Geodinamica Acta, 2012, 25, 162-182.	2.2	10
38	Long-term exhumation of an Aegean metamorphic core complex granitoids in the Northern Menderes Massif, western Turkey. Numerische Mathematik, 2012, 312, 534-571.	1.4	15
39	Linking microcracks and mineral zoning of detachment-exhumed granites to their tectonomagmatic history: Evidence from the Salihli and Turgutlu plutons in western Turkey (Menderes Massif). Journal of Structural Geology, 2011, 33, 951-969.	2.3	21
40	Geochemical and Geochronological Data from Charnockites and Anorthosites from Indiaâ€™s Kodaikanalâ€“Palani Massif, Southern Granulite Terrain, India. , 2011, , 383-417.		2
41	Geochemistry, geochronology, and cathodoluminescence imagery of the Salihli and Turgutlu granites (central Menderes Massif, western Turkey): Implications for Aegean tectonics. Tectonophysics, 2010, 488, 110-130.	2.2	42
42	The magnetic properties of natural and synthetic (Fe , Mg1â^')2 SiO4 olivines. Earth and Planetary Science Letters, 2009, 284, 516-526.	4.4	41
43	Monazite ages from carbonatites and high-grade assemblages along the Kambam Fault (Southern) Tj ETQq1 1 0.784314 rgBT /Overlo	1.9	21
44	Whole rock major element influences on monazite growth: examples from igneous and metamorphic rocks in the Menderes Massif, western Turkey. Mineralogia, 2008, 39, 7-30.	0.8	7
45	Cenozoic extensional tectonics of the Western Anatolia Extended Terrane, Turkey. IOP Conference Series: Earth and Environmental Science, 2008, 2, 012009.	0.3	3
46	Monazite geochronology, magmatism, and extensional dynamics within the Menderes Massif, western Turkey. IOP Conference Series: Earth and Environmental Science, 2008, 2, 012013.	0.3	7
47	Evidence for polymetamorphic garnet growth in the Ã‡ine (southern Menderes) Massif, Western Turkey. IOP Conference Series: Earth and Environmental Science, 2008, 2, 012020.	0.3	2
48	Donald D Harrington Symposium on the Geology of the Aegean. IOP Conference Series: Earth and Environmental Science, 2008, 2, 011001.	0.3	0
49	Geochronologic constraints across the Main Central Thrust shear zone, Bhagirathi River (NW India): Implications for Himalayan tectonics. , 2007, , .		16
50	Out-of-sequence thrusting in Himalaya: Modification of wedge extrusion and channel flow models. Himalayan Journal of Sciences, 2006, 2, 130.	0.3	0
51	From Mineral Grain to Mountain Range: X-ray Microanalysis, Geochronology, and Himalayan Geology. Microscopy and Microanalysis, 2006, 12, 834-835.	0.4	0
52	Reply to Whitney and Regnierâ€™s comments regarding â€œMonazite Ages and the Evolution of the Menderes Massif, western Turkeyâ€•(Int J Earth Sci 94:204â€“217). International Journal of Earth Sciences, 2006, 95, 352-354.	1.8	0
53	Postcollisional extensional tectonics and exhumation of the Menderes massif in the Western Anatolia extended terrane, Turkey. , 2006, , .		33
54	Renewed tectonic extrusion of high-grade metamorphic rocks in the MCT footwall since Late Miocene (Sutlej Valley, India). Himalayan Journal of Sciences, 2006, 2, 102-103.	0.3	1

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55	Monazite ages and the evolution of the Menderes Massif, western Turkey. International Journal of Earth Sciences, 2005, 94, 204-217.	1.8	95
56	Late Miocene movement within the Himalayan Main Central Thrust shear zone, Sikkim, north-east India. Journal of Metamorphic Geology, 2004, 22, 207-226.	3.4	136
57	Thermal structure and exhumation history of the Lesser Himalaya in central Nepal. Tectonics, 2004, 23, n/a-n/a.	2.8	187
58	Phengite-Based Chronology of K- and Ba-Rich Fluid Flow in Two Paleosubduction Zones. Science, 2003, 299, 92-95.	12.6	55
59	Kinematic model for the Main Central thrust in Nepal. Geology, 2003, 31, 359.	4.4	187
60	Kinematic model for the Main Central thrust in Nepal: Comment and Reply. Geology, 2003, 31, e40-e40.	4.4	1
61	U-Th-Pb Dating of Phosphate Minerals. Reviews in Mineralogy and Geochemistry, 2002, 48, 524-558.	4.8	135
62	Interpretation of monazite ages obtained via in situ analysis. Chemical Geology, 2002, 188, 193-215.	3.3	140
63	Records of the evolution of the Himalayan orogen from in situ Thâ€“Pb ion microprobe dating of monazite: Eastern Nepal and western Garhwal. Journal of Asian Earth Sciences, 2002, 20, 459-479.	2.3	181
64	14. U-Th-Pb Dating of Phosphate Minerals. , 2002, , 523-558.		26
65	Geochronologic and thermobarometric constraints on the evolution of the Main Central Thrust, central Nepal Himalaya. Journal of Geophysical Research, 2001, 106, 16177-16204.	3.3	281
66	Pressure-temperature-time path discontinuity in the Main Central thrust zone, central Nepal. Geology, 2001, 29, 571.	4.4	120
67	Th-Pb ion-microprobe dating of allanite. American Mineralogist, 2000, 85, 633-648.	1.9	85
68	The origin of Himalayan anatexis and inverted metamorphism: Models and constraints. Journal of Asian Earth Sciences, 1999, 17, 755-772.	2.3	90
69	A model for the origin of Himalayan anatexis and inverted metamorphism. Journal of Geophysical Research, 1998, 103, 27017-27032.	3.3	268
70	A Late Miocene-Pliocene origin for the Central Himalayan inverted metamorphism. Earth and Planetary Science Letters, 1997, 146, E1-E7.	4.4	279