

Jean-Paul Callot

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2100597/publications.pdf>

Version: 2024-02-01

77
papers

2,357
citations

201674

27
h-index

233421

45
g-index

91
all docs

91
docs citations

91
times ranked

1617
citing authors

#	ARTICLE	IF	CITATIONS
1	The eastern termination of the Zagros Fold-and-Thrust Belt, Iran: Structures, evolution, and relationships between salt plugs, folding, and faulting. <i>Tectonics</i> , 2009, 28, .	2.8	166
2	Magnetic and plagioclase linear fabric discrepancy in dykes: a new way to define the flow vector using magnetic foliation. <i>Terra Nova</i> , 2002, 14, 183-190.	2.1	123
3	Magma flow directions of shallow dykes from the East Greenland volcanic margin inferred from magnetic fabric studies. <i>Tectonophysics</i> , 2001, 335, 313-329.	2.2	110
4	Stress and strain patterns, kinematics and deformation mechanisms in a basement-cored anticline: Sheep Mountain Anticline, Wyoming. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	96
5	Sedimentary and diagenetic controls on the multiscale fracturing pattern of a carbonate reservoir: The Madison Formation (Sheep Mountain, Wyoming, USA). <i>Marine and Petroleum Geology</i> , 2012, 29, 50-67.	3.3	86
6	Pre-existing salt structures and the folding of the Zagros Mountains. <i>Geological Society Special Publication</i> , 2012, 363, 545-561.	1.3	73
7	From outcrop and petrographic studies to basin-scale fluid flow modelling: The use of the Albanian natural laboratory for carbonate reservoir characterisation. <i>Tectonophysics</i> , 2009, 474, 367-392.	2.2	64
8	Structural and microstructural evolution of the Rattlesnake Mountain Anticline (Wyoming, USA): New insights into the Sevier and Laramide orogenic stress build-up in the Bighorn Basin. <i>Tectonophysics</i> , 2012, 576-577, 20-45.	2.2	61
9	Rock texture and magnetic lineation in dykes: a simple analytical model. <i>Tectonophysics</i> , 2003, 366, 207-222.	2.2	59
10	Southeast Baffin volcanic margin and the North American-Greenland plate separation. <i>Tectonics</i> , 2001, 20, 566-584.	2.8	58
11	Benchmarking analogue models of brittle thrust wedges. <i>Journal of Structural Geology</i> , 2016, 92, 116-139.	2.3	58
12	Minibasins and salt canopy in foreland fold-and-thrust belts: The central Sivas Basin, Turkey. <i>Tectonics</i> , 2016, 35, 1342-1366.	2.8	56
13	Long lasting interactions between tectonic loading, unroofing, post-rift thermal subsidence and sedimentary transfers along the western margin of the Gulf of Mexico: Some insights from integrated quantitative studies. <i>Tectonophysics</i> , 2009, 475, 169-189.	2.2	53
14	Salt tectonics in the Sivas basin (Turkey): crossing salt walls and minibasins. <i>Bulletin - Societe Geologique De France</i> , 2014, 185, 33-42.	2.2	52
15	Fluvial sedimentation in a salt-controlled minibasin: stratal patterns and facies assemblages, Sivas Basin, Turkey. <i>Sedimentology</i> , 2015, 62, 1513-1545.	3.1	50
16	Magma flow in the East Greenland dyke swarm inferred from study of anisotropy of magnetic susceptibility: magmatic growth of a volcanic margin. <i>Geophysical Journal International</i> , 2004, 159, 816-830.	2.4	49
17	The Salt Diapirs of the Eastern Fars Province (Zagros, Iran): A Brief Outline of their Past and Present. <i>Frontiers in Earth Sciences</i> , 2007, , 289-308.	0.1	48
18	Interactions between continental breakup dynamics and large-scale delta system evolution: Insights from the Cretaceous Ceduna delta system, Bight Basin, Southern Australian margin. <i>Tectonics</i> , 2009, 28, .	2.8	48

#	ARTICLE	IF	CITATIONS
19	Development of volcanic passive margins: Three-dimensional laboratory models. <i>Tectonics</i> , 2002, 21, 2-1-2-13.	2.8	45
20	The Kerguelen plateau: Records from a long-living/composite microcontinent. <i>Marine and Petroleum Geology</i> , 2010, 27, 633-649.	3.3	44
21	Tectono-stratigraphic evolution of salt-controlled minibasins in a fold and thrust belt, the Oligo-Miocene central Sivas Basin. <i>Journal of Structural Geology</i> , 2017, 102, 75-97.	2.3	43
22	Constraints on deformation mechanisms during folding provided by rock physical properties: a case study at Sheep Mountain anticline (Wyoming, USA). <i>Geophysical Journal International</i> , 2010, 182, 1105-1123.	2.4	41
23	Transition from symmetry to asymmetry during continental rifting: an example from the Bight Basin "Terre Adélie (Australian and Antarctic conjugate margins). <i>Terra Nova</i> , 2012, 24, 167-180.	2.1	40
24	The Role of Pre-Existing Diapirs in Fold and Thrust Belt Development. , 2007, , 309-325.		40
25	The use of palaeo-thermo-barometers and coupled thermal, fluid flow and pore-fluid pressure modelling for hydrocarbon and reservoir prediction in fold and thrust belts. <i>Geological Society Special Publication</i> , 2010, 348, 87-114.	1.3	35
26	Development of volcanic passive margins: Two-dimensional laboratory models. <i>Tectonics</i> , 2001, 20, 148-159.	2.8	33
27	Area, length and thickness conservation: Dogma or reality?. <i>Journal of Structural Geology</i> , 2012, 41, 64-75.	2.3	33
28	Stress fields acting during lithosphere breakup above a melting mantle: A case example in West Greenland. <i>Tectonophysics</i> , 2012, 581, 132-143.	2.2	28
29	Topographic and Tectonic Evolution of Mountain Belts Controlled by Salt Thickness and Rift Architecture. <i>Tectonics</i> , 2020, 39, e2019TC005903.	2.8	28
30	Impact of fracture stratigraphy on the paleo-hydrogeology of the Madison Limestone in two basement-involved folds in the Bighorn basin, (Wyoming, USA). <i>Tectonophysics</i> , 2012, 576-577, 116-132.	2.2	27
31	Three-dimensional evolution of salt-controlled minibasins: Interactions, folding and megaflap development. <i>AAPG Bulletin</i> , 2016, 100, 1419-1442.	1.5	26
32	Syn-orogenic fluid flow in the Jaca basin (south Pyrenean fold and thrust belt) from fracture and vein analyses. <i>Basin Research</i> , 2018, 30, 187-216.	2.7	26
33	Paleo-fluids characterisation and fluid flow modelling along a regional transect in Northern United Arab Emirates (UAE). <i>Arabian Journal of Geosciences</i> , 2010, 3, 413-437.	1.3	25
34	The fracture network, a proxy for mesoscale deformation: Constraints on layer parallel shortening history from the Malargüe fold and thrust belt, Argentina. <i>Tectonics</i> , 2015, 34, 623-647.	2.8	25
35	Preorogenic Folds and Syn-orogenic Basement Tilts in an Inverted Hyperextended Margin: The Northern Pyrenees Case Study. <i>Tectonics</i> , 2020, 39, e2019TC005719.	2.8	24
36	Jurassic Salt Tectonics in the SW Sub-Alpine Fold and Thrust Belt. <i>Tectonics</i> , 2020, 39, e2020TC006107.	2.8	23

#	ARTICLE	IF	CITATIONS
37	Regional-scale paleofluid system across the Tuscan Nappe–Umbria–Marche Apennine Ridge (northern) Tj ETQq1 1 0.784314 rgBT (C) Earth, 2020, 11, 1617-1641.	2.8	23
38	Diagenesis of Oligocene continental sandstones in salt-walled mini-basins – Sivas Basin, Turkey. Sedimentary Geology, 2016, 339, 13-31.	2.1	22
39	Factors controlling stratal pattern and facies distribution of fluvio-lacustrine sedimentation in the Sivas mini-basins, Oligocene (Turkey). Basin Research, 2017, 29, 596-621.	2.7	22
40	Geology of the Central Sivas Basin (Turkey). Journal of Maps, 2019, 15, 406-417.	2.0	22
41	Rift and salt-related multi-phase dolomitization: example from the northwestern Pyrenees. Marine and Petroleum Geology, 2021, 126, 104932.	3.3	21
42	Relative importance of the Hercynian and post-Jurassic tectonic phases in the Saharan platform: a palaeomagnetic study of Jurassic sills in the Reggane Basin (Algeria). Geophysical Journal International, 2006, 167, 380-396.	2.4	20
43	Mechanisms of basin contraction and reactivation in the basement-involved Malargüe fold-and-thrust belt, Central Andes (34°–36°S). Geological Magazine, 2016, 153, 926-944.	1.5	20
44	Control of syntectonic erosion and sedimentation on kinematic evolution of a multidecollement fold and thrust zone: Analogue modeling of folding in the southern subandean of Bolivia. Journal of Structural Geology, 2016, 89, 30-43.	2.3	19
45	Sediment damage caused by gas exsolution: A key mechanism for mud volcano formation. Engineering Geology, 2019, 263, 105313.	6.3	19
46	Nature and distribution of diagenetic phases and petrophysical properties of carbonates: The Mississippian Madison Formation (Bighorn Basin, Wyoming, USA). Marine and Petroleum Geology, 2015, 67, 230-248.	3.3	17
47	Evidence of multiple evaporite recycling processes in a salt-tectonic context, Sivas Basin, Turkey. Terra Nova, 2018, 30, 40-49.	2.1	17
48	Burial and temperature evolution in thrust belt systems: Sedimentary and thrust sheet loading in the SE Canadian Cordillera. Tectonics, 2009, 28, .	2.8	16
49	Facies partitioning and stratal pattern in salt-controlled marine to continental mini-basins: Examples from the Late Oligocene to Early Miocene of the Sivas Basin, Turkey. Marine and Petroleum Geology, 2018, 93, 468-496.	3.3	16
50	Burial-Deformation History of Folded Rocks Unraveled by Fracture Analysis, Stylolite Paleopiezometry and Vein Cement Geochemistry: A Case Study in the Cingoli Anticline (Umbria-Marche, Northern) Tj ETQq0 0 0 rgBT/D Overlock 10 Tf 50 2	2.1	16
51	Dating folding beyond folding, from layer-parallel shortening to fold tightening, using mesostructures: lessons from the Apennines, Pyrenees, and Rocky Mountains. Solid Earth, 2021, 12, 2145-2157.	2.8	15
52	3D structural modelling of the southern Zagros fold-and-thrust belt diapiric province. Geological Magazine, 2011, 148, 879-900.	1.5	14
53	Magnetic characterisation of folded aeolian sandstones: Interpretation of magnetic fabrics in diamagnetic rocks. Tectonophysics, 2010, 495, 230-245.	2.2	13
54	Structure and kinematics of the Central Sivas Basin (Turkey): salt deposition and tectonics in an evolving fold-and-thrust belt. Geological Society Special Publication, 2020, 490, 361-396.	1.3	13

#	ARTICLE	IF	CITATIONS
55	3D modeling from outcrop data in a salt tectonic context: Example from the Inceyol minibasin, Sivas Basin, Turkey. Interpretation, 2016, 4, SM17-SM31.	1.1	12
56	The Pre-Obduction to Post-Obduction Evolution of the Sivas Ophiolite (Turkey) and Implications for the Precollisional History of Eastern Anatolia. Tectonics, 2019, 38, 2114-2141.	2.8	11
57	Flow patterns in the Siberian traps deduced from magnetic fabric studies. Geophysical Journal International, 2004, 156, 426-430.	2.4	10
58	Evolution Model for the Absheron Mud Volcano: From In Situ Observations to Numerical Modeling. Journal of Geophysical Research F: Earth Surface, 2019, 124, 766-794.	2.8	10
59	Analogue models of basin inversion by transpression: role of structural heterogeneity. Geological Society Special Publication, 2007, 272, 397-417.	1.3	9
60	Salt pillows and localization of early structures: case study in the Ucayali Basin (Peru). Geological Society Special Publication, 2013, 377, 43-58.	1.3	9
61	Crustal structure and lateral variations in the Gulf of Mexico conjugate margins: From rifting to break-up. Marine and Petroleum Geology, 2022, 136, 105484.	3.3	9
62	Matrix deformation in a basement-involved fold-and-thrust-belt: A case study in the central Andes, Malargüe (Argentina). Tectonophysics, 2015, 658, 186-205.	2.2	8
63	Characterization of Oligo-Miocene evaporite-rich minibasins in the Sivas Basin, Turkey. Marine and Petroleum Geology, 2019, 110, 587-605.	3.3	8
64	Evidence of active shortening along the eastern border of the San Rafael basement block: characterization of the seismic source of the Villa Atuel earthquake (1929), Mendoza province, Argentina. Geological Magazine, 2016, 153, 911-925.	1.5	7
65	Secondary minibasins in orogens: Examples from the Sivas Basin (Turkey) and the sub-Alpine fold-and-thrust belt (France). Journal of Structural Geology, 2022, 156, 104555.	2.3	7
66	Sedimentology and depositional environment of the Late Eocene marine siliciclastic to evaporite transition in the Sivas Basin (Turkey). Marine and Petroleum Geology, 2021, 131, 105151.	3.3	6
67	Kinematics of the SE Canadian Fold and Thrust Belt: Implications for the Thermal and Organic Maturation History. , 2007, , 179-202.		6
68	How fluid-mediated rock transformations can mimic hydro-fracturing patterns in hydrothermal dolomite. Marine and Petroleum Geology, 2022, 140, 105657.	3.3	6
69	Mechanisms of crustal growth in large igneous provinces: The north Atlantic province as a case study. , 2007, , 747-774.		4
70	The clay fabric of shales is a strain gauge. Journal of Structural Geology, 2020, 138, 104130.	2.3	4
71	Anatomy and evolution of the Astoin diapiric complex, sub-Alpine fold-and-thrust belt (France). Bulletin - Societe Geologique De France, 2021, 192, 29.	2.2	4
72	Evolution Model for the Absheron Mud Volcano: From Stratified Sediments to Fluid Mud Generation. Journal of Geophysical Research F: Earth Surface, 2020, 125, e2020JF005623.	2.8	2

#	ARTICLE	IF	CITATIONS
73	4-D Modeling of interactions between salt ridges, salt diapirs and folding: A new interpretation of the southern Zagros and offshore Iran structures. , 2008, , .		2
74	Paleo-Fluids Characterisation and Fluid Flow Modelling Along a Regional Transect in Northern United Arab Emirates (UAE). <i>Frontiers in Earth Sciences</i> , 2013, , 177-201.	0.1	2
75	Comment on "Magnetic studies of magma-supply and sea-floor metamorphism: Troodos ophiolite dikes", by G.J. Borradaile and D. Gauthier. <i>Tectonophysics</i> , 2007, 433, 141-147.	2.2	1
76	Detection and discrimination of complex thrust and salt tectonics structures using field data and RASAT images around the Emirhan region (Sivas, Turkey). , 2016, , .		0
77	Kinematic modelling of the Mozambique rifted margin and associated thermal histories. <i>Marine and Petroleum Geology</i> , 2021, 123, 104712.	3.3	0