Christopher Mark Fanning

List of Publications by Citations

277 papers	15,441 citations	70 h-index	104 g-index
280 ext. papers	16,676 ext. citations	3.4 avg, IF	6.45 L-index

#	Paper	IF	Citations
277	The Rõ de la Plata craton and the assembly of SW Gondwana. *Earth-Science Reviews*, **2007**, 83, 49-82	10.2	300
276	Gondwanide continental collision and the origin of Patagonia. *Earth-Science Reviews*, **2006**, 76, 235-257	10.2	296
275	Continuation of the Mozambique Belt Into East Antarctica: Grenville-Age Metamorphism and Polyphase Pan-African High-Grade Events in Central Dronning Maud Land. *Journal of Geology*, **1998**, 106, 385-406	2	296
274	Deciphering igneous and metamorphic events in high-grade rocks of the Wilmington Complex, Delaware: Morphology, cathodoluminescence and backscattered electron zoning, and SHRIMP U-Pb geochronology of zircon and monazite. *Bulletin of the Geological Society of America*, **2006**, 118, 39-64	3.9	259
273	Development of the early Paleozoic Pacific margin of Gondwana from detrital-zircon ages across the Delamerian orogen. *Geology*, **1998**, 26, 243	5	246
272	Neoarchean greenstone volcanism and continental growth, Dharwar craton, southern India: Constraints from SIMS UâPb zircon geochronology and Nd isotopes. *Precambrian Research*, **2013**, 227, 55-76	3.9	226
271	Early Paleozoic tectonism within the East Antarctic craton: The final suture between east and west Gondwana?. *Geology*, **2001**, 29, 463	5	223
270	The South Patagonian batholith: 150 my of granite magmatism on a plate margin. *Lithos*, **2007**, 97, 373-394	3.9	207
269	Two Carboniferous AgesA Comparison of Shrimp Zircon Dating with Conventional Zircon Ages and 40Ar/39Ar Analysis **1995**,		196
268	Extraordinary transport and mixing of sediment across Himalayan central Gondwana during the Cambrian-Ordovician. *Bulletin of the Geological Society of America*, **2010**, 122, 1660-1670	3.9	190
267	The lower crust of the Dharwar Craton, Southern India: Patchwork of Archean granulitic domains. *Precambrian Research*, **2013**, 227, 4-28	3.9	189
266	Neoproterozoic deformation in the Radok Lake region of the northern Prince Charles Mountains, east Antarctica; evidence for a single protracted orogenic event. *Precambrian Research*, **2000**, 104, 1-24	3.9	158
265	Refined Proterozoic evolution of the Gawler Craton, South Australia, through U-Pb zircon geochronology. *Precambrian Research*, **1988**, 40-41, 363-386	3.9	157
264	Archean granite-greenstone tectonics at Kolar (South India): Interplay of diapirism and bulk inhomogeneous contraction during juvenile magmatic accretion. *Tectonics*, **2002**, 21, 7-1-7-17	4.3	152
263	The Rio de la Plata craton and the adjoining Pan-African/brasiliano terranes: Their origins and incorporation into south-west Gondwana. *Gondwana Research*, **2011**, 20, 673-690	5.1	145
262	UâPb geochronology of zircon and polygenetic titanite from the Glastonbury Complex, Connecticut, USA: an integrated SEM, EMPA, TIMS, and SHRIMP study. *Chemical Geology*, **2002**, 188, 125-147	4.2	145
261	Role of partial melting in the evolution of the Sulu (eastern China) ultrahigh-pressure terrane. *Geology*, **2005**, 33, 129	5	142

260	U-Pb SHRIMP ages of Neoproterozoic (Sturtian) glaciogenic Pocatello Formation, southeastern Idaho. *Geology*, **2004**, 32, 881	5	142
259	A positive test of East Antarctica-Laurentia juxtaposition within the Rodinia supercontinent. *Science* , **2008**, 321, 235-40	33.3	141
258	The source of granitic gneisses and migmatites in the Antarctic Peninsula: a combined UâPb SHRIMP and laser ablation Hf isotope study of complex zircons. *Contributions To Mineralogy and Petrology*, **2006**, 151, 751-768	3.5	140
257	A two-stage evolution of the Neoproterozoic Rayner Structural Episode: new UâPb sensitive high resolution ion microprobe constraints from the Oygarden Group, Kemp Land, East Antarctica. *Precambrian Research*, **2002**, 116, 307-330	3.9	140
256	Shrimp UâPb zircon age evidence for Paleoproterozoic sedimentation and 2.05 Ga syntectonic plutonism in the Nyong Group, South-Western Cameroon: consequences for the EburneanâTransamazonian belt of NE Brazil and Central Africa. *Journal of African Earth Sciences*, **2006**, 44, 413-427	2.2	137
255	Ages and origins of rocks of the Killingworth dome, south-central Connecticut: Implications for the tectonic evolution of southern New England. *Numerische Mathematik*, **2007**, 307, 63-118	5.3	133
254	50 Myr recovery from the largest negative ?13C excursion in the Ediacaran ocean. *Terra Nova*, **2006**, 18, 147-153	3	130
253	Duration of a Large Mafic Intrusion and Heat Transfer in the Lower Crust: a SHRIMP U-Pb Zircon Study in the Ivrea-Verbano Zone (Western Alps, Italy). *Journal of Petrology*, **2007**, 48, 1185-1218	3.9	129
252	SHRIMP U-Pb geochronology of Neoproterozoic Windermere Supergroup, central Idaho: Implications for rifting of western Laurentia and synchroneity of Sturtian glacial deposits. *Bulletin of the Geological Society of America*, **2003**, 115, 349-372	3.9	129
251	Timing of Iron Oxide Cu-Au-(U) Hydrothermal Activity and Nd Isotope Constraints on Metal Sources in the Gawler Craton, South Australia. *Economic Geology*, **2007**, 102, 1441-1470	4.3	124
250	The Pampean Orogeny of the southern proto-Andes: Cambrian continental collision in the Sierras de Cï¿½doba. *Geological Society Special Publication*, **1998**, 142, 181-217	1.7	119
249	Late Neoproterozoic/Early Palaeozoic events in central Dronning Maud Land and significance for the southern extension of the East African Orogen into East Antarctica. *Precambrian Research*, **2003** , 126, 27-53	3.9	118
248	Relationships between crustal partial melting, plutonism, orogeny, and exhumation: IdahoâBitterroot batholith. *Tectonophysics*, **2001**, 342, 313-350	3.1	118
247	SHRIMP U-Pb geochronology of volcanic rocks, Belt Supergroup, western Montana: evidence for rapid deposition of sedimentary strata. *Canadian Journal of Earth Sciences*, **2000**, 37, 1287-1300	1.5	116
246	Stratigraphic correlation of CambrianâOrdovician deposits along the Himalaya: Implications for the age and nature of rocks in the Mount Everest region. *Bulletin of the Geological Society of America*, **2009**, 121, 323-332	3.9	112
245	Magmatic evolution of the Peï¿½ Rosado granite: Petrogenesis of garnet-bearing granitoids. *Lithos* , **2007**, 95, 177-207	2.9	108
244	Evidence from detrital zircons for recycling of Mesoproterozoic and Neoproterozoic crust recorded in Paleozoic and Mesozoic sandstones of southern Libya. *Earth and Planetary Science Letters*, **2011**, 312, 164-175	5.3	107
243	Detrital zircon age patterns and provenance of the metamorphic complexes of southern Chile. *Journal of South American Earth Sciences*, **2003**, 16, 107-123	2	107

242	Multiple Early Triassic greenhouse crises impeded recovery from Late Permian mass extinction. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2011**, 308, 233-251	2.9	102
241	Chronological study of the pre-Permian basement rocks of southern Patagonia. *Journal of South American Earth Sciences*, **2003**, 16, 27-44	2	100
240	The Famatinian magmatic arc in the central Sierras Pampeanas: an Early to Mid-Ordovician continental arc on the Gondwana margin. *Geological Society Special Publication*, **1998**, 142, 343-367	1.7	99
239	Provenance and tectonic development of the late Archaean Gawler Craton, Australia; UâPb zircon, geochemical and SmâNd isotopic implications. *Precambrian Research*, **2005**, 141, 106-136	3.9	98
238	Timing of Grenville-age vs. Pan-African medium- to high grade metamorphism in western Dronning Maud Land (East Antarctica) and significance for correlations in Rodinia and Gondwana. *Precambrian Research*, **2003**, 125, 1-20	3.9	98
237	The age of ophiolitic rocks of the Hellenides (Vourinos, Pindos, Crete): first UâPb ion microprobe (SHRIMP) zircon ages. *Chemical Geology*, **2004**, 207, 171-188	4.2	96
236	Late Jurassic bimodal magmatism in the northern sea-floor remnant of the Rocas Verdes basin, southern Patagonian Andes. *Journal of the Geological Society*, **2007**, 164, 1011-1022	2.7	94
235	UâPb evidence of ~1.7 Ga crustal tectonism during the Nimrod Orogeny in the Transantarctic Mountains, Antarctica: implications for Proterozoic plate reconstructions. *Precambrian Research*, **2001**, 112, 261-288	3.9	94
234	Structural and geochronological constraints on the evolution of the Bou Azzer Neoproterozoic ophiolite (Anti-Atlas, Morocco). *Precambrian Research*, **2010**, 182, 1-14	3.9	93
233	Geochronology of the northern Idaho batholith and the Bitterroot metamorphic core complex: Magmatism preceding and contemporaneous with extension. *Bulletin of the Geological Society of America*, **1997**, 109, 379-394	3.9	93
232	Basement chronology of the Antarctic Peninsula: recurrent magmatism and anatexis in the Palaeozoic Gondwana Margin. *Journal of the Geological Society*, **2002**, 159, 145-157	2.7	93
231	Provenance variations in the Late Paleozoic accretionary complex of central Chile as indicated by detrital zircons. *Gondwana Research*, **2013**, 23, 1122-1135	5.1	92
230	Crustal evolution and terrane correlation in the eastern Arabian Shield, Yemen: geochronological constraints. *Journal of the Geological Society*, **1998**, 155, 281-295	2.7	92
229	Provenance of Late Cretaceous to Paleocene submarine fan sandstones in the Norwegian Sea: Integration of heavy mineral, mineral chemical and zircon age data. *Sedimentary Geology*, **2005**, 182, 3-28	2.8	92
228	Reliability and longitudinal change of detrital-zircon age spectra in the Snake River system, Idaho and Wyoming: An example of reproducing the bumpy barcode. *Sedimentary Geology*, **2005**, 182, 101-142	2.8	91
227	Identifying Laurentian and SW Gondwana sources in the Neoproterozoic to Early Paleozoic metasedimentary rocks of the Sierras Pampeanas: Paleogeographic and tectonic implications. *Gondwana Research*, **2016**, 32, 193-212	5.1	89
226	Involvement of the Argentine Precordillera terrane in the Famatinian mobile belt: U-Pb SHRIMP and metamorphic evidence from the Sierra de Pie de Palo. *Geology*, **2001**, 29, 703	5	87
225	The Terre Adlie basement in the East-Antarctica Shield: geological and isotopic evidence for a major 1.7Ga thermal event; comparison with the Gawler Craton in South Australia. *Precambrian Research*, **1999**, 94, 205-224	3.9	85

224	Electron-microprobe dating as a tool for determining the closure of Th-U-Pb systems in migmatitic monazites. *American Mineralogist*, **2005**, 90, 607-618	2.9	84
223	Forearc-basin sedimentary response to rapid Late Cretaceous batholith emplacement in the Peninsular Ranges of southern and Baja California. *Geology*, **2001**, 29, 491	5	83
222	Cryogenian (~830Ma) mafic magmatism and metamorphism in the northern Madurai Block, southern India: A magmatic link between Sri Lanka and Madagascar?. *Journal of Asian Earth Sciences* , **2011**, 42, 223-233	2.8	80
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220	Basement evolution of the Sierra de la Ventana Fold Belt: new evidence for Cambrian continental rifting along the southern margin of Gondwana. *Journal of the Geological Society*, **2003**, 160, 613-628	2.7	80
219	Some isotopic constraints on the evolution of the granulite and upper amphibolite facies terranes in the eastern Musgrave Block, central Australia. *Precambrian Research*, **1995**, 71, 155-181	3.9	80
218	3.5 Ga old terranes in the West African Craton, Mauritania. *Journal of the Geological Society*, **1996**, 153, 507-510	2.7	80
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216	Comparative use of TIMS and SHRIMP for UâPb zircon dating of A-type granites and mafic tholeiitic layered complexes and dykes from the Corsican Batholith (France). *Lithos*, **2005**, 82, 185-219	2.9	78
215	Zircon Trace Element and O-Hf Isotope Analyses of Mineralized Intrusions from El Teniente Ore Deposit, Chilean Andes: Constraints on the Source and Magmatic Evolution of Porphyry Cu-Mo Related Magmas. *Journal of Petrology*, **2012**, 53, 1091-1122	3.9	75
214	Determining the cooling history of in situ lower oceanic crustâAtlantis Bank, SW Indian Ridge. *Earth and Planetary Science Letters*, **2004**, 222, 145-160	5.3	75
213	U-Pb zircon (ID-TIMS and SHRIMP) evidence for the early ordovician intrusion of metagranites in the late Proterozoic Canaveilles Group of the Pyrenees and the Montagne Noire (France). *Bulletin - Societie Geologique De France*, **2005**, 176, 269-282	2.3	75
212	The Western Sierras Pampeanas: Protracted Grenville-age history (1330â1030Ma) of intra-oceanic arcs, subductionâaccretion at continental-edge and AMCG intraplate magmatism. *Journal of South American Earth Sciences*, **2010**, 29, 105-127	2	74
211	Continental underthrusting and obduction during the Cretaceous closure of the Rocas Verdes rift basin, Cordillera Darwin, Patagonian Andes. *Tectonics*, **2010**, 29,	4.3	74
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209	Combined U-Pb geochronology and Hf isotope geochemistry of detrital zircons from early Paleozoic sedimentary rocks, Ellsworth-Whitmore Mountains block, Antarctica. *Bulletin of the Geological Society of America*, **2007**, 119, 275-288	3.9	72
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207	Stratigraphic record of basin development within the San Andreas fault system: Late Cenozoic Fish Creek-Vallecito basin, southern California. *Bulletin of the Geological Society of America*, **2011**, 123, 771-793	3.9	68

206	Pan-African intraplate deformation in the northern Prince Charles Mountains, east Antarctica. *Earth and Planetary Science Letters*, **2002**, 195, 195-210	5.3	68
205	Malargë Group (MaastrichtianâDanian) deposits in the Neuquén Andes, Argentina: Implications for the onset of the first Atlantic transgression related to Western Gondwana break-up. *Gondwana Research*, **2011**, 19, 482-494	5.1	67
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200	Temporal, Isotopic and Spatial Relations of Early Paleozoic Gondwana-Margin Arc Magmatism, Central Transantarctic Mountains, Antarctica. *Journal of Petrology*, **2012**, 53, 2027-2065	3.9	65
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197	UâPb zircon (SHRIMP) ages for the Lebombo rhyolites, South Africa: refining the duration of Karoo volcanism. *Journal of the Geological Society*, **2004**, 161, 547-550	2.7	63
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194	Ordovician magmatism, deformation, and exhumation in the Caledonides of central Norway: An orphan of the Taconic orogeny?. *Geology*, **2002**, 30, 883	5	63
193	Origin of the Early-Middle Devonian magmatism in the Sakarya Zone, NW Turkey: Geochronology, geochemistry and isotope systematics. *Journal of Asian Earth Sciences*, **2012**, 45, 201-222	2.8	62
192	Isotopic evidence for the diversity of late Quaternary loess in Nebraska: Glaciogenic and nonglaciogenic sources. *Bulletin of the Geological Society of America*, **2008**, 120, 1362-1377	3.9	60
191	Continuation of the Laurentian Grenville Province across the Ross Sea Margin of East Antarctica. *Journal of Geology*, **2010**, 118, 601-619	2	59
190	Composition and age of the East Antarctic Shield in eastern Wilkes Land determined by proxy from Oligocene-Pleistocene glaciomarine sediment and Beacon Supergroup sandstones, Antarctica. *Bulletin of the Geological Society of America*, **2010**, 122, 1135-1159	3.9	58
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188	Review of the Cambrian Pampean orogeny of Argentina; a displaced orogen formerly attached to the Saldania Belt of South Africa?. *Earth-Science Reviews*, **2018**, 177, 209-225	10.2	57
187	UâPb SHRIMP zircon dating of Grenvillian metamorphism in Western Sierras Pampeanas (Argentina): Correlation with the Arequipa-Antofalla craton and constraints on the extent of the Precordillera Terrane. *Gondwana Research*, **2006**, 9, 524-529	5.1	56
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185	Paleogeographic implications of nonâNorth American sediment in the Mesoproterozoic upper Belt Supergroup and Lemhi Group, Idaho and Montana, USA. *Geology*, **2010**, 38, 927-930	5	54
184	Age constraints on the tectonothermal evolution of the Selwyn Zone, Eastern Fold Belt, Mount Isa Inlier. *Precambrian Research*, **2008**, 163, 81-107	3.9	54
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181	Archean zircons in Cretaceous strata of the western Canadian Cordillera: The âBaja B.C.âhypothesis fails a âcrucial testâ *Geology*, **1999**, 27, 195	5	54
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179	Early Permian to Late Triassic batholiths of the Chilean Frontal Cordillera (28°â31°S): SHRIMP UâPb zircon ages and LuâHf and O isotope systematics. *Lithos*, **2014**, 184-187, 436-446	2.9	53
178	Petrology, geochemistry and UâPb geochronology of the Betic Ophiolites: Inferences for Pangaea break-up and birth of the westernmost Tethys Ocean. *Lithos*, **2011**, 124, 255-272	2.9	53
177	SHRIMP UâPb Zircon Triassic Intrusion Age of the Finero Mafic Complex (IvreaâVerbano Zone, Western Alps) and its Geodynamic Implications. *Journal of Petrology*, **2013**, 54, 2235-2265	3.9	52
176	Geochronology and geochemistry of Ordovician felsic volcanism in the Southern Armorican Massif (Variscan belt, France): Implications for the breakup of Gondwana. *Gondwana Research*, **2012**, 21, 1019-1036	5.1	52
175	Late Quaternary loess in northeastern Colorado: Part IIâPb isotopic evidence for the variability of loess sources. *Bulletin of the Geological Society of America*, **1999**, 111, 1876	3.9	52
174	The Sierra Norte-Ambargasta batholith: Late EdiacaranâEarly Cambrian magmatism associated with Pampean transpressional tectonics. *Journal of South American Earth Sciences*, **2013**, 42, 127-143	2	51
173	New constraints from UâPb, LuâHf and SmâNd isotopic data on the timing of sedimentation and felsic magmatism in the Larsemann Hills, Prydz Bay, East Antarctica. *Precambrian Research*, **2012**, 206-207, 87-108	3.9	51
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171	The Mesoproterozoic Maz terrane in the Western Sierras Pampeanas, Argentina, equivalent to the ArequipaâAntofalla block of southern Peru? Implications for West Gondwana margin evolution. *Gondwana Research*, **2008**, 13, 163-175	5.1	51

170	2.5 b.y. of punctuated Earth history as recorded in a single rock. *Geology*, **1999**, 27, 1007	5	51
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168	Hybridization of granitic magmas in the source: The origin of the Karakoram Batholith, Ladakh, NW India. *Lithos*, **2010**, 116, 249-272	2.9	50
167	Structure, emplacement and lateral expansion of the San Jos'tonalite pluton, Peninsular Ranges batholith, Baja California, M%ico. *Journal of Structural Geology*, **2003**, 25, 1933-1957	3	50
166	Jurassic ophiolites within the Valais domain of the Western and Central Alps: geochronological evidence for re-rifting of oceanic crust. *Contributions To Mineralogy and Petrology*, **2005**, 149, 446-461	3.5	50
165	Cambrian rocks and faunas of the Wachi La, Black Mountains, Bhutan. *Geological Magazine*, **2011**, 148, 351-379	2	49
164	Paleocene-Eocene migmatite crystallization, extension, and exhumation in the hinterland of the northern Cordillera: Okanogan dome, Washington, USA. *Bulletin of the Geological Society of America* , **2008**, 120, 912-929	3.9	49
163	Variscan to eo-Alpine events recorded in European lower-crust zircons sampled from the French Massif Central and Corsica, France. *Lithos*, **2006**, 87, 235-260	2.9	49
162	Carboniferous to Lower Permian stratigraphy of the southern Tamworth Belt, southern New England Orogen, Australia: Boundary sequences of the Werrie and Rouchel blocks. *Australian Journal of Earth Sciences*, **2006**, 53, 249-284	1.4	48
161	An Archaean province in the southern Prince Charles Mountains, East Antarctica: UâPb zircon evidence for c. 3170 Ma granite plutonism and c. 2780 Ma partial melting and orogenesis. *Precambrian Research*, **2006**, 145, 207-228	3.9	48
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159	The Arequipa Massif of Peru: New SHRIMP and isotope constraints on a Paleoproterozoic inlier in the Grenvillian orogen. *Journal of South American Earth Sciences*, **2010**, 29, 128-142	2	47
158	First UâPb SHRIMP age of the Hauterivian stage, Neuquh Basin, Argentina. *Journal of South American Earth Sciences*, **2008**, 26, 91-99	2	46
157	Detrital zircon ages and geochronological constraints on the Neoproterozoic Puga diamictites and associated BIFs in the southern Paraguay Belt, Brazil. *Gondwana Research*, **2013**, 23, 988-997	5.1	45
156	K-bentonites in the Argentine Precordillera contemporaneous with rhyolite volcanism in the Famatinian Arc. *Journal of the Geological Society*, **2004**, 161, 747-756	2.7	45
155	1.60 Ga felsic volcanic blocks in the moraines of the Terre Adlie Craton, Antarctica: Comparisons with the Gawler Range Volcanics, South Australia. *Australian Journal of Earth Sciences*, **2002**, 49, 831-845	1.4	45
154	A Crustal Progenitor for the Intrusive Anorthosite--Charnockite Kindred of the Cupriferous Koperberg Suite, O'okiep District, Namaqualand, South Africa; New Isotope Data for the Country Rocks and the Intrusives. *Journal of Petrology*, **1995**, 36, 231-258	3.9	45
153	Archean gold mineralization synchronous with the final stages of cratonization, Yilgarn Craton, Western Australia. *Geology*, **1996**, 24, 879	5	45

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151	Evidence for a â€cadomianâ€ophiolite and magmatic-arc complex in SW Bulgaria. *Precambrian Research*, **2012**, 212-213, 275-295	3.9	44
150	Miocene to Holocene landscape evolution of the western Snake River Plain region, Idaho: Using the SHRIMP detrital zircon provenance record to track eastward migration of the Yellowstone hotspot. *Bulletin of the Geological Society of America*, **2006**, 118, 1027-1050	3.9	44
149	Late Ordovician stratigraphy, zircon provenance and tectonics, Lachlan Fold Belt, southeastern Australia. *Australian Journal of Earth Sciences*, **2002**, 49, 423-436	1.4	44
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147	Late Paleozoicâ€Early Triassic magmatism on the western margin of Gondwana: Collahuasi area, Northern Chile. *Gondwana Research*, **2008**, 13, 407-427	5.1	43
146	Crustal growth during back-arc closure: Cretaceous exhumation history of Cordillera Darwin, southern Patagonia. *Journal of Metamorphic Geology*, **2011**, 29, 649-672	4.4	42
145	Devonian deep-crustal metamorphism and exhumation in the Variscan Orogen: evidence from SHRIMP zircon ages from the HT-HP granulites and migmatites of the GÃ³y Sowie (Polish Sudetes). *Geodinamica Acta*, **2007**, 20, 159-175	2	42
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