# Sergio AndÃ²

List of Publications by Year
in descending order

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|---|---|---|---|
| 67<br>papers | 5,043<br>citations | 71102<br>41<br>h-index | 98798<br>67<br>g-index |
| 67<br>all docs | 67<br>docs citations | 67<br>times ranked | 3298<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Detrital orthopyroxene as a tracer of geodynamic setting:. Chemical Geology, 2022, 596, 120809. | 3.3 | 9 |
| 2 | Soil-formation in the central Mediterranean: Insight from heavy minerals. Catena, 2021, 197, 104998. | 5.0 | 10 |
| 3 | Geological and soil maps of the Palaeo-Agulhas Plain for the Last Glacial Maximum. Quaternary Science Reviews, 2020, 235, 105858. | 3.0 | 42 |
| 4 | Large-scale mass wasting on the Miocene continental margin of western India. Bulletin of the Geological Society of America, 2020, 132, 85-112. | 3.3 | 11 |
| 5 | Provenance of Cenozoic Indus Fan Sediments (IODP Sites U1456 and U1457). Journal of Sedimentary Research, 2020, 90, 1114-1127. | 1.6 | 12 |
| 6 | Sediment Generation and Sediment Routing Systems. Earth-Science Reviews, 2020, 207, 103221. | 9.1 | 10 |
| 7 | Comparability of heavy mineral data â€“ The first interlaboratory round robin test. Earth-Science Reviews, 2020, 211, 103210. | 9.1 | 16 |
| 8 | Provenance of Thal Desert sand: Focused erosion in the western Himalayan syntaxis and foreland-basin deposition driven by latest Quaternary climate change. Earth-Science Reviews, 2020, 207, 103220. | 9.1 | 24 |
| 9 | Deciphering relationships between the Nicobar and Bengal submarine fans, Indian Ocean. Earth and Planetary Science Letters, 2020, 544, 116329. | 4.4 | 18 |
| 10 | Gravimetric Separation of Heavy Minerals in Sediments and Rocks. Minerals (Basel, Switzerland), 2020, 10, 273. | 2.0 | 37 |
| 11 | Multimineral Fingerprinting of Transhimalayan and Himalayan Sources of Indus-Derived Thal Desert Sand (Central Pakistan). Minerals (Basel, Switzerland), 2019, 9, 457. | 2.0 | 15 |
| 12 | Congo River sand and the equatorial quartz factory. Earth-Science Reviews, 2019, 197, 102918. | 9.1 | 47 |
| 13 | Provenance of Bengal Shelf Sediments: 2. Petrology and Geochemistry of Sand. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock | 2.0 | 23 |
| 14 | Evolution of the Upper Yellow River as Revealed by Changes in Heavy-Mineral and Geochemical (REE) Signatures of Fluvial Terraces (Lanzhou, China). Minerals (Basel, Switzerland), 2019, 9, 603. | 2.0 | 7 |
| 15 | Composition of Amphiboles in the Tremoliteâ€“Ferroâ€“Actinolite Series by Raman Spectroscopy. Minerals (Basel, Switzerland), 2019, 9, 491. | 2.0 | 11 |
| 16 | Provenance of Bengal Shelf Sediments: 1. Mineralogy and Geochemistry of Silt. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 | 2.0 | 17 |
| 17 | Heavy Minerals for Junior Woodchucks. Minerals (Basel, Switzerland), 2019, 9, 148. | 2.0 | 103 |
| 18 | Dynamic uplift, recycling, and climate control on the petrology of passive-margin sand (Angola). Sedimentary Geology, 2018, 375, 86-104. | 2.1 | 43 |

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|---|---|---|---|
| 19 | Using Fourier transform infrared spectroscopy to determine mineral phases in sediments. Sedimentary Geology, 2018, 375, 27-35. | 2.1 | 35 |
| 20 | Sedimentary processes controlling ultralong cells of littoral transport: Placer formation and termination of the Orange sand highway in southern Angola. Sedimentology, 2018, 65, 431-460. | 3.1 | 50 |
| 21 | Quantifying Roundness of Detrital Minerals By Image Analysis: Sediment Transport, Shape Effects, and Provenance Implications. Journal of Sedimentary Research, 2018, 88, 276-289. | 1.6 | 37 |
| 22 | Diagenetic control on mineralogical suites in sand, silt, and mud (Cenozoic Nile Delta): Implications for provenance reconstructions. Earth-Science Reviews, 2018, 185, 122-139. | 9.1 | 49 |
| 23 | A detrital record of the Nile River and its catchment. Journal of the Geological Society, 2017, 174, 301-317. | 2.1 | 78 |
| 24 | Tracing Transcontinental Sand Transport: from Anatoliaâ€“zagros To the Rub' Al Khali Sand Sea. Journal of Sedimentary Research, 2017, 87, 1196-1213. | 1.6 | 30 |
| 25 | Southern Hemisphere anticyclonic circulation drives oceanic and climatic conditions in late Holocene southernmost Africa. Climate of the Past, 2017, 13, 649-665. | 3.4 | 28 |
| 26 | The Euphrates-Tigris-Karun river system: Provenance, recycling and dispersal of quartz-poor foreland-basin sediments in arid climate. Earth-Science Reviews, 2016, 162, 107-128. | 9.1 | 51 |
| 27 | Indentation of the Pamirs with respect to the northern margin of Tibet: Constraints from the Tarim basin sedimentary record. Tectonics, 2016, 35, 2345-2369. | 2.8 | 52 |
| 28 | Erosion patterns in the Changjiang (Yangtze River) catchment revealed by bulk-sample versus single-mineral provenance budgets. Geomorphology, 2016, 261, 177-192. | 2.6 | 62 |
| 29 | The provenance of Taklamakan desert sand. Earth and Planetary Science Letters, 2016, 437, 127-137. | 4.4 | 120 |
| 30 | Multicyclic sediment transfer along and across convergent plate boundaries (Barbados, Lesser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30 | 2.7 | 18 |
| 31 | The modern Nile sediment system: Processes and products. Quaternary Science Reviews, 2015, 130, 9-56. | 3.0 | 139 |
| 32 | Quaternary dust source variation across the Chinese Loess Plateau. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 435, 254-264. | 2.3 | 96 |
| 33 | Physical controls on sand composition and relative durability of detrital minerals during ultraâ€long distance littoral and aeolian transport (<scp>N</scp>amibia and southern <scp>A</scp>ngola). Sedimentology, 2015, 62, 971-996. | 3.1 | 129 |
| 34 | Metamorphic grade of source rocks revealed by chemical fingerprints of detrital amphibole and garnet. Geological Society Special Publication, 2014, 386, 351-371. | 1.3 | 35 |
| 35 | Provenance of Passive-Margin Sand (Southern Africa). Journal of Geology, 2014, 122, 17-42. | 1.4 | 103 |
| 36 | Tracking sediment provenance and erosional evolution of the western Greater Caucasus. Earth Surface Processes and Landforms, 2014, 39, 1101-1114. | 2.5 | 18 |

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|---|---|---|---|
| 37 | Raman spectroscopy in heavy-mineral studies. Geological Society Special Publication, 2014, 386, 395-412. | 1.3 | 66 |
| 38 | Ultra-long distance littoral transport of Orange sand and provenance of the Skeleton Coast Erg (Namibia). Marine Geology, 2014, 357, 25-36. | 2.1 | 54 |
| 39 | Provenance and recycling of Arabian desert sand. Earth-Science Reviews, 2013, 120, 1-19. | 9.1 | 123 |
| 40 | Controlling factors on heavy mineral assemblages in Chinese loess and Red Clay. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 381-382, 110-118. | 2.3 | 44 |
| 41 | Sediment recycling at convergent plate margins (Indo-Burman Ranges and Andamanâ€“Nicobar Ridge). Earth-Science Reviews, 2013, 123, 113-132. | 9.1 | 90 |
| 42 | Weathering and Relative Durability of Detrital Minerals in Equatorial Climate: Sand Petrology and Geochemistry in the East African Rift. Journal of Geology, 2013, 121, 547-580. | 1.4 | 127 |
| 43 | Forward compositional modelling of Alpine orogenic sediments. Sedimentary Geology, 2012, 280, 149-164. | 2.1 | 78 |
| 44 | Corrosion of heavy minerals during weathering and diagenesis: A catalog for optical analysis. Sedimentary Geology, 2012, 280, 165-178. | 2.1 | 163 |
| 45 | Petrology of the Namib Sand Sea: Long-distance transport and compositional variability in the wind-displaced Orange Delta. Earth-Science Reviews, 2012, 112, 173-189. | 9.1 | 129 |
| 46 | Mineralogical and chemical variability of fluvial sediments 2. Suspended-load silt (Gangaâ€“Brahmaputra, Bangladesh). Earth and Planetary Science Letters, 2011, 302, 107-120. | 4.4 | 296 |
| 47 | Paleogeographic and paleodrainage changes during Pleistocene glaciations (Po Plain, Northern Italy). Earth-Science Reviews, 2011, 105, 25-48. | 9.1 | 74 |
| 48 | Raman counting: a new method to determine provenance of silt. Rendiconti Lincei, 2011, 22, 327-347. | 2.2 | 22 |
| 49 | Detrital Fingerprints of Fossil Continental-Subduction Zones (Axial Belt Provenance, European Alps). Journal of Geology, 2010, 118, 341-362. | 1.4 | 45 |
| 50 | Mineralogical and chemical variability of fluvial sediments1. Bedload sand (Gangaâ€“Brahmaputra,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 4.4 | 230 |
| 51 | Geology of the Cenozoic Indus Basin sedimentary rocks: Paleoenvironmental interpretation of sedimentation from the western Himalaya during the early phases of India-Eurasia collision. Tectonics, 2010, 29, n/a-n/a. | 2.8 | 85 |
| 52 | Focused erosion in the Alps constrained by fission-track ages on detrital apatites. Geological Society Special Publication, 2009, 324, 141-152. | 1.3 | 16 |
| 53 | Raman spectroscopy as an effective tool for high-resolution heavy-mineral analysis: Examples from major Himalayan and Alpine fluvio-deltaic systems. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 450-455. | 3.9 | 24 |
| 54 | Grain-size dependence of sediment composition and environmental bias in provenance studies. Earth and Planetary Science Letters, 2009, 277, 422-432. | 4.4 | 281 |

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|---|---|---|---|
| 55 | Settling equivalence of detrital minerals and grain-size dependence of sediment composition. Earth and Planetary Science Letters, 2008, 273, 138-151. | 4.4 | 229 |
| 56 | Orogenic Belts and Orogenic Sediment Provenance. Journal of Geology, 2007, 115, 315-334. | 1.4 | 222 |
| 57 | Quantifying sand provenance and erosion (Marsyandi River, Nepal Himalaya). Earth and Planetary Science Letters, 2007, 258, 500-515. | 4.4 | 113 |
| 58 | Chapter 29 Plate Tectonics and Heavy Mineral Suites of Modern Sands. Developments in Sedimentology, 2007, , 741-763. | 0.5 | 76 |
| 59 | Chapter 20 Heavy Mineral Concentration in Modern Sands: Implications for Provenance Interpretation. Developments in Sedimentology, 2007, , 517-545. | 0.5 | 167 |
| 60 | Petrology of Nile River sands (Ethiopia and Sudan): Sediment budgets and erosion patterns. Earth and Planetary Science Letters, 2006, 252, 327-341. | 4.4 | 159 |
| 61 | The Continental Crust as a Source of Sand (Southern Alps Cross Section, Northern Italy). Journal of Geology, 2006, 114, 533-554. | 1.4 | 59 |
| 62 | Petrology of Indus River sands: a key to interpret erosion history of the Western Himalayan Syntaxis. Earth and Planetary Science Letters, 2005, 229, 287-302. | 4.4 | 128 |
| 63 | Collisionâ€Orogen Provenance (Western Alps): Detrital Signatures and Unroofing Trends. Journal of Geology, 2004, 112, 145-164. | 1.4 | 59 |
| 64 | Sand petrology and focused erosion in collision orogens: the Brahmaputra case. Earth and Planetary Science Letters, 2004, 220, 157-174. | 4.4 | 139 |
| 65 | Modern Sand from Obducted Ophiolite Belts (Sultanate of Oman and United Arab Emirates). Journal of Geology, 2002, 110, 371-391. | 1.4 | 44 |
| 66 | Petrology of Riftedâ€Margin Sand (Red Sea and Gulf of Aden, Yemen). Journal of Geology, 2001, 109, 277-297. | 1.4 | 66 |
| 67 | Actualistic Ophiolite Provenance: The Cyprus Case. Journal of Geology, 2000, 108, 199-218. | 1.4 | 50 |