Albert Soler

List of Publications by Year in descending order

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Version: 2024-02-01

		126858	155592
117	3,789	33	55
papers	citations	h-index	g-index
119	119	119	3867
all docs	docs citations	times ranked	citing authors

#	Article	lF	CITATIONS
1	Trichloromethane dechlorination by a novel Dehalobacter sp. strain 8M reveals a third contrasting C and Cl isotope fractionation pattern within this genus. Science of the Total Environment, 2022, 813, 152659.	3.9	9
2	Combining multi-isotopic and molecular source tracking methods to identify nitrate pollution sources in surface and groundwater. Water Research, 2021, 188, 116537.	5. 3	78
3	Impact of fertilization with pig slurry on the isotopic composition of nitrate retained in soil and leached to groundwater in agricultural areas. Applied Geochemistry, 2021, 125, 104832.	1.4	10
4	Evaluation of natural background levels of high mountain karst aquifers in complex hydrogeological settings. A Gaussian mixture model approach in the Port del Comte (SE, Pyrenees) case study. Science of the Total Environment, 2021, 756, 143864.	3.9	20
5	Using a multi-disciplinary approach to characterize groundwater systems in arid and semi-arid environments: The case of Biskra and Batna regions (NE Algeria). Science of the Total Environment, 2021, 757, 143797.	3.9	8
6	Investigative monitoring of pesticide and nitrogen pollution sources in a complex multi-stressed catchment: The lower Llobregat River basin case study (Barcelona, Spain). Science of the Total Environment, 2021, 755, 142377.	3.9	37
7	Isotopic content in high mountain karst aquifers as a proxy for climate change impact in Mediterranean zones: The Port del Comte karst aquifer (SE Pyrenees, Catalonia, Spain). Science of the Total Environment, 2021, 790, 148036.	3.9	6
8	Identification of Natural and Anthropogenic Geochemical Processes Determining the Groundwater Quality in Port del Comte High Mountain Karst Aquifer (SE, Pyrenees). Water (Switzerland), 2021, 13, 2891.	1.2	9
9	Characterisation of the natural attenuation of chromium contamination in the presence of nitrate using isotopic methods. A case study from the Matanza-Riachuelo River basin, Argentina. Science of the Total Environment, 2020, 699, 134331.	3.9	12
10	Stable isotopes (H, O, S) signatures evidencing evolutionary trends of Brazilian spas groundwaters. Journal of Geochemical Exploration, 2020, 210, 106452.	1.5	2
11	Three-dimensional hydrostratigraphical modelling supporting the evaluation of fluoride enrichment in groundwater: Lakes basin (Central Ethiopia). Journal of Hydrology: Regional Studies, 2020, 32, 100756.	1.0	7
12	Isotopic estimation of the anthropogenic effect on the quality of groundwater in the Skhira agricultural region -Sfax (Tunisia). Arabian Journal of Geosciences, 2020, 13, 1.	0.6	2
13	Guidance for the Integrated Use of Hydrological, Geochemical, and Isotopic Tools in Mining Operations. Mine Water and the Environment, 2020, 39, 204-228.	0.9	35
14	Agricultural and urban delivered nitrate pollution input to Mediterranean temporary freshwaters. Agriculture, Ecosystems and Environment, 2020, 294, 106859.	2.5	53
15	Nitrate and nitrite reduction by ferrous iron minerals in polluted groundwater: Isotopic characterization of batch experiments. Chemical Geology, 2020, 548, 119691.	1.4	17
16	Dual carbon - chlorine isotope fractionation during dichloroelimination of $1,1,2$ -trichloroethane by an enrichment culture containing Dehalogenimonas sp. Science of the Total Environment, 2019, 648, 422-429.	3.9	14
17	The origin of solutes in groundwater in a hyper-arid environment: A chemical and multi-isotope approach in the Atacama Desert, Chile. Science of the Total Environment, 2019, 690, 329-351.	3.9	34
18	Use of C–Cl CSIA to elucidate origin and fate of DCM in complex contaminated field sites. E3S Web of Conferences, 2019, 98, 12003.	0.2	0

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19	Integrative isotopic and molecular approach for the diagnosis and implementation of an efficient in-situ enhanced biological reductive dechlorination of chlorinated ethenes. Water Research, 2019, 167, 115106.	5.3	11
20	Chemical and isotopic characterization of nitrate retained and leached from soil after manure fertilization-by lysimeter experiments. E3S Web of Conferences, 2019, 98, 12016.	0.2	2
21	Use of dual element isotope analysis and microcosm studies to determine the origin and potential anaerobic biodegradation of dichloromethane in two multi-contaminated aquifers. Science of the Total Environment, 2019, 696, 134066.	3.9	8
22	Feasibility of using rural waste products to increase the denitrification efficiency in a surface flow constructed wetland. Journal of Hydrology, 2019, 578, 124035.	2.3	7
23	Isotopic fractionation associated to nitrate attenuation by ferrous iron containing minerals. E3S Web of Conferences, 2019, 98, 12013.	0.2	0
24	Evaluating the potential use of a dairy industry residue to induce denitrification in polluted water bodies: A flow-through experiment. Journal of Environmental Management, 2019, 245, 86-94.	3.8	14
25	Use of nitrogen and oxygen isotopes of dissolved nitrate to trace field-scale induced denitrification efficiency throughout an in-situ groundwater remediation strategy. Science of the Total Environment, 2019, 686, 709-718.	3.9	24
26	Multi-method assessment of the intrinsic biodegradation potential of an aquifer contaminated with chlorinated ethenes at an industrial area in Barcelona (Spain). Environmental Pollution, 2019, 244, 165-173.	3.7	25
27	Isotopic evidence of nitrate degradation by a zero-valent iron permeable reactive barrier: Batch experiments and a field scale study. Journal of Hydrology, 2019, 570, 69-79.	2.3	23
28	Do all roads lead to Rome? Exploring community trajectories in response to anthropogenic salinization and dilution of rivers. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180009.	1.8	23
29	Contribution of isotopic research techniques to characterize high-mountain-Mediterranean karst aquifers: The Port del Comte (Eastern Pyrenees) aquifer. Science of the Total Environment, 2019, 656, 209-230.	3.9	14
30	Hydrogeological and multi-isotopic approach to define nitrate pollution and denitrification processes in a coastal aquifer (Sardinia, Italy). Hydrogeology Journal, 2018, 26, 2021-2040.	0.9	15
31	TXT-tool 3.034-1.1: A Textural Classification of Argillaceous Rocks and Their Durability. , 2018, , 421-433.		0
32	Vitamin B12 effects on chlorinated methanes-degrading microcosms: Dual isotope and metabolically active microbial populations assessment. Science of the Total Environment, 2018, 621, 1615-1625.	3.9	16
33	Monitoring induced denitrification during managed aquifer recharge in an infiltration pond. Journal of Hydrology, 2018, 561, 123-135.	2.3	28
34	A multi-isotopic approach to investigate the influence of land use on nitrate removal in a highly saline lake-aquifer system. Science of the Total Environment, 2018, 631-632, 649-659.	3.9	35
35	Groundwater-Gossan interaction and the genesis of the secondary siderite rock at Las Cruces ore deposit (SW Spain). Ore Geology Reviews, 2018, 102, 967-980.	1.1	0
36	Tracing the role of endogenous carbon in denitrification using wine industry by-product as an external electron donor: Coupling isotopic tools with mathematical modeling. Journal of Environmental Management, 2018, 207, 105-115.	3.8	13

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37	Unravelling long-term source removal effects and chlorinated methanes natural attenuation processes by C and Cl stable isotopic patterns at a complex field site. Science of the Total Environment, 2018, 645, 286-296.	3.9	12
38	Dual element (C Cl) isotope approach to distinguish abiotic reactions of chlorinated methanes by Fe(0) and by Fe(II) on iron minerals at neutral and alkaline pH. Chemosphere, 2018, 206, 447-456.	4.2	14
39	PARTICULATE MATTER SOURCE APPORTIONMENT IN COMPLEX URBAN AND INDUSTRIAL CITIES: THE CASE OF TARRAGONA, SPAIN. , 2018, , .		3
40	Feasibility of two low-cost organic substrates for inducing denitrification in artificial recharge ponds: Batch and flow-through experiments. Journal of Contaminant Hydrology, 2017, 198, 48-58.	1.6	21
41	Distinct Dual C–Cl Isotope Fractionation Patterns during Anaerobic Biodegradation of 1,2-Dichloroethane: Potential To Characterize Microbial Degradation in the Field. Environmental Science & Echnology, 2017, 51, 2685-2694.	4.6	34
42	Compound-Specific Chlorine Isotope Analysis of Tetrachloromethane and Trichloromethane by Gas Chromatography-Isotope Ratio Mass Spectrometry vs Gas Chromatography-Quadrupole Mass Spectrometry: Method Development and Evaluation of Precision and Trueness. Analytical Chemistry, 2017, 89, 3411-3420.	3.2	28
43	Carbon and Chlorine Isotope Fractionation Patterns Associated with Different Engineered Chloroform Transformation Reactions. Environmental Science & E	4.6	39
44	Evolution Assessment of Soils Contaminated by Roasted Pyrite Wastes. Procedia Earth and Planetary Science, 2017, 17, 432-435.	0.6	5
45	Characterizing sources and natural attenuation of nitrate contamination in the Baix Ter aquifer system (NE Spain) using a multi-isotope approach. Science of the Total Environment, 2017, 580, 518-532.	3.9	85
46	Tracing sulfate recycling in the hypersaline Pétrola Lake (SE Spain): A combined isotopic and microbiological approach. Chemical Geology, 2017, 473, 74-89.	1.4	15
47	Hydrogen Isotope Fractionation during the Biodegradation of 1,2-Dichloroethane: Potential for Pathway Identification Using a Multi-element (C, Cl, and H) Isotope Approach. Environmental Science & En	4.6	26
48	Applications of Hydro-Chemical and Isotopic Tools to Improve Definitions of Groundwater Catchment Zones in a Karstic Aquifer: A Case Study. Water (Switzerland), 2017, 9, 595.	1.2	10
49	Groundwater vulnerability based on GIS approach: Case study of Zeuss-Koutine aquifer, South-Eastern Tunisia. Geofisica International, 2017, 56, .	0.2	6
50	Photodegradation of polycyclic aromatic hydrocarbons in soils under a climate change base scenario. Chemosphere, 2016, 148, 495-503.	4.2	39
51	Climate change impact on the PAH photodegradation in soils: Characterization and metabolites identification. Environment International, 2016, 89-90, 155-165.	4.8	50
52	Origin of high ammonium, arsenic and boron concentrations in the proximity of a mine: Natural vs. anthropogenic processes. Science of the Total Environment, 2016, 541, 655-666.	3.9	31
53	Source Apportionment of Inorganic and Organic PM in the Ambient Air around a Cement Plant: Assessment of Complementary Tools. Aerosol and Air Quality Research, 2016, 16, 3230-3242.	0.9	15
54	Representació grÃfica i ècfrasi en l'obra de Ramon Llull. Magnificat Cultura I Literatura Medievals, 2016, 3, .	0.1	0

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55	Evaluation of Two Carbon Sources for Inducing Denitrification: Batch and Column Experiments. Procedia Earth and Planetary Science, 2015, 13, 124-128.	0.6	O
56	Addition of L-ascorbic acid to culture and vitrification media of IVF porcine blastocysts improves survival and reduces HSPA1A levels of vitrified embryos. Reproduction, Fertility and Development, 2015, 27, 1115.	0.1	12
57	Isotopic and hydrogeochemical characterization of high-altitude karst aquifers in complex geological settings. The Ordesa and Monte Perdido National Park (Northern Spain) case study. Science of the Total Environment, 2015, 506-507, 466-479.	3.9	39
58	Recent and old groundwater in the Niebla-Posadas regional aquifer (southern Spain): Implications for its management. Journal of Hydrology, 2015, 523, 624-635.	2.3	16
59	C and Cl-CSIA for Elucidating Chlorinated Methanes Biotic and Abiotic Degradation at a Polluted Bedrock Aquifer. Procedia Earth and Planetary Science, 2015, 13, 120-123.	0.6	2
60	C, Cl and H compound-specific isotope analysis to assess natural versus Fe(0) barrier-induced degradation of chlorinated ethenes at a contaminated site. Journal of Hazardous Materials, 2015, 299, 747-754.	6.5	30
61	A textural classification of argillaceous rocks and their durability. Landslides, 2015, 12, 669-687.	2.7	12
62	Application of stable isotopes (\hat{l} '34S-SO4, \hat{l} '18O-SO4, \hat{l} '15N-NO3, \hat{l} '18O-NO3) to determine natural background and contamination sources in the Guadalhorce River Basin (southern Spain). Science of the Total Environment, 2015, 506-507, 46-57.	3.9	52
63	Hydrochemical and stable isotopes (H, O, S) signatures in deep groundwaters of Paran $ ilde{A}_i$ basin, Brazil. Environmental Earth Sciences, 2015, 73, 95-113.	1.3	7
64	Main sources and processes affecting dissolved sulphates and nitrates in a small irrigated basin (Lerma Basin, Zaragoza, Spain): Isotopic characterization. Agriculture, Ecosystems and Environment, 2014, 195, 127-138.	2.5	18
65	Induced nitrate attenuation by glucose in groundwater: Flow-through experiment. Chemical Geology, 2014, 370, 19-28.	1.4	29
66	Multi-isotope (carbon and chlorine) analysis for fingerprinting and site characterization at a fractured bedrock aquifer contaminated by chlorinated ethenes. Science of the Total Environment, 2014, 475, 61-70.	3.9	44
67	Nitrate attenuation potential of hypersaline lake sediments in central Spain: Flow-through and batch experiments. Journal of Contaminant Hydrology, 2014, 164, 323-337.	1.6	19
68	Denitrification in a hypersaline lake–aquifer system (Pétrola Basin, Central Spain): The role of recent organic matter and Cretaceous organic rich sediments. Science of the Total Environment, 2014, 497-498, 594-606.	3.9	21
69	Feeding strategies for groundwater enhanced biodenitrification in an alluvial aquifer: Chemical, microbial and isotope assessment of a 1D flow-through experiment. Science of the Total Environment, 2014, 494-495, 241-251.	3.9	18
70	Integrated modeling of biogeochemical reactions and associated isotope fractionations at batch scale: A tool to monitor enhanced biodenitrification applications. Chemical Geology, 2014, 365, 20-29.	1.4	20
71	The Use of Alkaline Hydrolysis As a Novel Strategy for Chloroform Remediation: The Feasibility of Using Construction Wastes and Evaluation of Carbon Isotopic Fractionation. Environmental Science & Eamp; Technology, 2014, 48, 1869-1877.	4.6	19
72	The role of Lower Cretaceous sediments in groundwater nitrate attenuation in central Spain: Column experiments. Applied Geochemistry, 2013, 32, 142-152.	1.4	26

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73	Carbon isotope fractionation of 1,1,1-trichloroethane during base-catalyzed persulfate treatment. Journal of Hazardous Materials, 2013, 260, 61-66.	6.5	30
74	Cl and C isotope analysis to assess the effectiveness of chlorinated ethene degradation by zero-valent iron: Evidence from dual element and product isotope values. Applied Geochemistry, 2013, 32, 175-183.	1.4	42
75	Multi-isotopic study (15N, 34S, 18O, 13C) to identify processes affecting nitrate and sulfate in response to local and regional groundwater mixing in a large-scale flow system. Applied Geochemistry, 2013, 32, 129-141.	1.4	55
76	Application of multi-isotope data (O, D, C and S) to quantify redox processes in urban groundwater. Applied Geochemistry, 2013, 34, 114-125.	1.4	36
77	Isotope characterization of an in situ biodenitrification pilot-test in a fractured aquifer. Applied Geochemistry, 2013, 32, 153-163.	1.4	27
78	Carbon isotope fractionation of chlorinated ethenes during oxidation by Fe2+ activated persulfate. Science of the Total Environment, 2012, 433, 318-322.	3.9	26
79	Phytoavailability of antimony and heavy metals in arid regions: The case of the Wadley Sb district (San) Tj ETQq1 1	0.784314 3.9	4.rgBT /Ov∈
80	Nitrate as a tracer of groundwater flow in a fractured multilayered aquifer. Hydrological Sciences Journal, 2011, 56, 108-122.	1.2	24
81	Enhanced denitrification in groundwater and sediments from a nitrate-contaminated aquifer after addition of pyrite. Chemical Geology, 2011, 287, 90-101.	1.4	135
82	Origin and evolution of groundwater collected by a desalination plant (Tordera, Spain): A multi-isotopic approach. Journal of Hydrology, 2011, 397, 37-46.	2.3	15
83	Groundwater development effects on different scale hydrogeological systems using head, hydrochemical and isotopic data and implications for water resources management: The Selva basin (NE Spain). Journal of Hydrology, 2011, 403, 83-102.	2.3	47
84	Ventilation effects in a karstic show cave and in its vadose environment, Nerja, Southern Spain. Carbonates and Evaporites, 2011, 26, 11-17.	0.4	13
85	Air Carbon Dioxide Contents in the Vadose Zone of a Mediterranean Karst. Vadose Zone Journal, 2010, 9, 126.	1.3	94
86	An approach to identify urban groundwater recharge. Hydrology and Earth System Sciences, 2010, 14, 2085-2097.	1.9	90
87	Use of Environmental Isotopes (13C, 15N, and 18O) for Evaluating Sources and Fate of Nitrate and Tetrachloroethene in an Alluvial Aquifer. Environmental Forensics, 2010, 11, 237-247.	1.3	7
88	Ilvaite stability in skarns from the northern contact of the Maladeta batholith, Central Pyrenees (Spain). European Journal of Mineralogy, 2010, 22, 363-380.	0.4	13
89	Denitrification of groundwater with pyrite and Thiobacillus denitrificans. Chemical Geology, 2010, 278, 80-91.	1.4	160
90	Chemistry of ash-leachates to monitor volcanic activity: An application to Popocatépetl volcano, central Mexico. Applied Geochemistry, 2010, 25, 1198-1205.	1.4	10

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91	Isotopic (13C) Signature of CO2 Sources in the Vadose Zone of a Mediterranean Karst (Nerja Cave Site,) Tj ETQq1	1.0.7843	14 rgBT /O
92	Monitoring groundwater nitrate attenuation in a regional system coupling hydrogeology with multi-isotopic methods: The case of Plana de Vic (Osona, Spain). Agriculture, Ecosystems and Environment, 2009, 133, 103-113.	2.5	136
93	Sulphur isotopes as tracers of the influence of a coal-fired power plant on a Scots pine forest in Catalonia (NE Spain). Atmospheric Environment, 2008, 42, 733-745.	1.9	25
94	Controls of \hat{i} 34S and \hat{i} 18O in dissolved sulphate: Learning from a detailed survey in the Llobregat River (Spain). Applied Geochemistry, 2008, 23, 1166-1185.	1.4	86
95	Environmental isotopes (N, S, C, O, D) to determine natural attenuation processes in nitrate contaminated waters: Example of Osona (NE Spain). Applied Geochemistry, 2008, 23, 3597-3611.	1.4	83
96	Inferior Alveolar Nerve Damage Because of Overextended Endodontic Material: A Problem of Sealer Cement Biocompatibility?. Journal of Endodontics, 2007, 33, 1484-1489.	1.4	62
97	Compound-specific carbon isotope analysis of volatile organic compounds in water using solid-phase microextraction. Journal of Chromatography A, 2007, 1163, 260-268.	1.8	30
98	Using dual-isotope data to trace the origin and processes of dissolved sulphate: a case study in Calders stream (Llobregat basin, Spain). Aquatic Geochemistry, 2007, 13, 109-126.	1.5	43
99	Reactive transport modeling and hydrothermal karst genesis: The example of the Rocabruna barite deposit (Eastern Pyrenees). Chemical Geology, 2006, 233, 113-125.	1.4	19
100	Latent Compositional Factors in The Llobregat River Basin (Spain) Hydrogeochemistry. Mathematical Geosciences, 2005, 37, 681-702.	0.9	27
101	Multi-Isotopic Approach (15N, 13C, 34S, 18O and D) for Tracing Agriculture Contamination in Groundwater., 2005,, 43-56.		5
102	An integrated thermodynamic mixing model for sphalerite geobarometry from 300 to 850°C and up to 1 GPa. Geochimica Et Cosmochimica Acta, 2005, 69, 995-1006.	1.6	24
103	Relative vs. absolute statistical analysis of compositions: A comparative study of surface waters of a Mediterranean river. Water Research, 2005, 39, 1404-1414.	5. 3	80
104	Fertiliser characterisation: Major, trace and rare earth elements. Applied Geochemistry, 2005, 20, 1473-1488.	1.4	196
105	Fertilizer Characterization:Â Isotopic Data (N, S, O, C, and Sr). Environmental Science & Environmenta	4.6	347
106	Sulphur isotopes as tracers of the influence of potash mining in groundwater salinisation in the Llobregat Basin (NE Spain). Water Research, 2002, 36, 3989-4000.	5.3	53
107	Title is missing!. Water, Air, and Soil Pollution, 2002, 136, 207-224.	1.1	39
108	The influence of enclosing rock type on barite deposits, eastern Pyrenees, Spain: fluid inclusion and isotope (Sr, S, O, C) data. Mineralium Deposita, 1999, 34, 199-210.	1.7	10

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109	Fracturing and fluid migration during Palaeogene compression and Neogene extension in the Catalan Coastal Ranges, Spain. Sedimentology, 1998, 45, 1063-1082.	1.6	40
110	Fluid migration during Eocene thrust emplacement in the south Pyrenean foreland basin (Spain): an integrated structural, mineralogical and geochemical approach. Geological Society Special Publication, 1998, 134, 163-188.	0.8	14
111	Sediment dewatering and pore fluid migration along thrust faults in a foreland basin inferred from isotopic and elemental geochemical analyses (Eocene southern Pyrenees, Spain). Tectonophysics, 1997, 282, 375-398.	0.9	58
112	Fluid evolution in the Cu-Au deposit related to the Carl \tilde{A} ©s granodiorite (Asturias). European Journal of Mineralogy, 1996, 8, 975-985.	0.4	6
113	U-Pb age and lead isotopic characterization of Au-bearing skarn related to the Andorra granite (central Pyrenees, Spain). Mineralium Deposita, 1995, 30, 374.	1.7	64
114	The origin of fluids involved in the formation of gold-bearing skarns of the Andorra granite (Central) Tj ETQq0 0 C	rgBT /Ove	erlock 10 Tf 5
115	Gold-bearing hedenbergite skarns from the SW contact of the Andorra granite (Central Pyrenees,) Tj ETQq $1\ 1\ 0.1$	⁷⁸⁴³¹⁴ rg	BT_/Overlock
116	On the role of the Hercynian and Alpine thrusts in the Upper Paleozoic rocks of the Central and Eastern Pyrenees. Geodinamica Acta, 1989, 3, 135-147.	2.2	30
117	Behaviour of the Weak Rock Cut Slopes and Their Characterization Using the Results of the Slake Durability Test. Lecture Notes in Earth Sciences, 0, , 405-413.	0.5	8