

CITATION REPORT

List of articles citing

Double-ended calibration of fiber-optic Raman spectra distributed temperature sensing data

DOI: 10.3390/s120505471
Sensors, 2012, 12, 5471-85.

Source: <https://exaly.com/paper-pdf/54008814/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
151	Fibre-optic distributed temperature sensing for characterizing the impacts of vegetation coverage on thermal patterns in woodlands. 2012 , 6, n/a-n/a		9
150	Wavelength dispersion analysis on fiber-optic Raman distributed temperature sensor system. 2013 , 3, 256-261		17
149	Thermal, mechanical and chemical influences on the performance of optical fibres for distributed temperature sensing in a hot geothermal well. 2013 , 70, 3465-3480		26
148	Spatial Resolution Improvement of Distributed Raman Temperature Measurement System. 2013 , 13, 4271-4278		15
147	Attenuation auto-correction method in Raman distributed temperature measurement system. <i>Optical and Quantum Electronics</i> , 2013 , 45, 1087-1094	2.4	12
146	Impact of seasonal variability and monitoring mode on the adequacy of fiber-optic distributed temperature sensing at aquifer-river interfaces. <i>Water Resources Research</i> , 2013 , 49, 2408-2423	5.4	24
145	Measuring artificial recharge with fiber optic distributed temperature sensing. <i>Ground Water</i> , 2013 , 51, 670-8	2.4	19
144	Uncertainty assessment of quantifying spatially concentrated groundwater discharge to small streams by distributed temperature sensing. <i>Water Resources Research</i> , 2013 , 49, 400-407	5.4	16
143	Resolving centimeter-scale flows in aquifers and their hydrostratigraphic controls. 2013 , 40, 1098-1103		26
142	Measuring heat balance residual at lake surface using Distributed Temperature Sensing. 2013 , 11, 79-90		26
141	The shallow thermal regime of Devils Hole, Death Valley National Park. 2013 , 3, 119-138		10
140	Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing. <i>Water Resources Research</i> , 2013 , 49, 1741-1745	5.4	18
139	Locating and quantifying spatially distributed groundwater/surface water interactions using temperature signals with paired fiber-optic cables. <i>Water Resources Research</i> , 2013 , 49, 7670-7680	5.4	26
138	Upscaling lacustrine groundwater discharge rates by fiber-optic distributed temperature sensing. <i>Water Resources Research</i> , 2013 , 49, 7929-7944	5.4	37
137	Autonomous distributed temperature sensing for long-term heated applications in remote areas. 2013 , 2, 71-77		8
136	Reply to comment by J. S. Selker et al. on Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing <i>Water Resources Research</i> , 2014 , 50, 5375-5377	5.4	1
135	A new method to measure Bowen ratios using high-resolution vertical dry and wet bulb temperature profiles. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2021-2032	5.5	23

134	Chalcogenide fiber-based distributed temperature sensor with sub-centimeter spatial resolution and enhanced accuracy. <i>Optics Express</i> , 2014 , 22, 1560-8	3.3	19
133	A multicore optical fiber for distributed sensing. 2014 ,		5
132	Reliability analysis and comparison of demodulation methods for Raman distributed temperature sensor. <i>Optical and Quantum Electronics</i> , 2014 , 46, 1595-1608	2.4	1
131	Fiber Optic Monitoring System. 2014 , 145-165		2
130	Understanding process dynamics at aquifer-surface water interfaces: An introduction to the special section on new modeling approaches and novel experimental technologies. <i>Water Resources Research</i> , 2014 , 50, 1847-1855	5.4	43
129	Thermal performance and heat transport in aquifer thermal energy storage. 2014 , 22, 263-279		39
128	Induced temperature gradients to examine groundwater flowpaths in open boreholes. <i>Ground Water</i> , 2014 , 52, 943-51	2.4	25
127	Adaptive data acquisition algorithm in Raman distributed temperature measurement system. 2014 , 125, 1821-1824		3
126	Correcting artifacts in transition to a wound optic fiber: Example from high-resolution temperature profiling in the Dead Sea. <i>Water Resources Research</i> , 2014 , 50, 5329-5333	5.4	9
125	Heated Fiber Optic Distributed Temperature Sensing: A Dual-Probe Heat-Pulse Approach. 2014 , 13, 1-10		25
124	Reply to comment by Francisco Suárez on "Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing" <i>Water Resources Research</i> , 2014 , 50, 9780-9782	5.4	
123	Comment on "Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing" by Liliana Rose et al.. <i>Water Resources Research</i> , 2014 , 50, 5372-5374	5.4	21
122	Mapping variability of soil water content and flux across 10000 m scales using the Actively Heated Fiber Optic method. <i>Water Resources Research</i> , 2014 , 50, 7302-7317	5.4	51
121	The Application of Advanced Wellbore Monitoring in Coal Seam Gas for Continuous Inflow Profiling. 2014 ,		1
120	Comment on "Capabilities and limitations of tracing spatial temperature patterns by fiber-optic distributed temperature sensing" by Liliana Rose et al.. <i>Water Resources Research</i> , 2014 , 50, 9777-9779	5.4	2
119	Distributed temperature sensing (DTS) als Messverfahren in Landoberflächenhydrologie und Siedlungswasserwirtschaft. 2015 , 67, 447-456		1
118	A field comparison of multiple techniques to quantify groundwater-surface-water interactions. 2015 , 34, 139-160		57
117	. 2015 , 27, 2182-2185		22

116	Near-Surface Motion in the Nocturnal, Stable Boundary Layer Observed with Fibre-Optic Distributed Temperature Sensing. 2015 , 154, 189-205		43
115	Fiber optic distributed temperature sensing for the determination of air temperature. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 335-339	4	30
114	An active heat tracer experiment to determine groundwater velocities using fiber optic cables installed with direct push equipment. <i>Water Resources Research</i> , 2015 , 51, 2760-2772	5-4	35
113	Determining soil moisture by assimilating soil temperature measurements using the Ensemble Kalman Filter. 2015 , 86, 340-353		18
112	Dynamic Calibration of a Fiber-Optic Distributed Temperature Sensing Network at a District-Scale Geothermal Exchange Borefield. 2016 ,		1
111	Practical considerations for enhanced-resolution coil-wrapped distributed temperature sensing. 2016 , 5, 151-162		14
110	Identifying and Correcting Step Losses in Single-Ended Fiber-Optic Distributed Temperature Sensing Data. 2016 , 2016, 1-10		11
109	Interpreting Variations in Groundwater Flows from Repeated Distributed Thermal Perturbation Tests. <i>Ground Water</i> , 2016 , 54, 559-68	2-4	6
108	Field Methods for the Evaluation of Groundwater and Surface-Water Interactions. 2016 , 749-767		
107	Distributed temperature measurement using a dual-core fiber with an integrated miniature turn-around. 2016 ,		1
106	Mapping high-resolution soil moisture and properties using distributed temperature sensing data and an adaptive particle batch smoother. <i>Water Resources Research</i> , 2016 , 52, 7690-7710	5-4	12
105	Distributed Temperature Sensing as a downhole tool in hydrogeology. <i>Water Resources Research</i> , 2016 , 52, 9259-9273	5-4	68
104	Heat as a tracer to quantify processes and properties in the vadose zone: A review. 2016 , 159, 358-373		27
103	Three-dimensional dense distributed temperature sensing for measuring layered thermohaline systems. <i>Water Resources Research</i> , 2016 , 52, 6656-6670	5-4	10
102	High temperature measurements in irradiated environment using Raman fiber-optics distributed temperature sensing. 2016 ,		1
101	Estimating soil moisture and soil thermal and hydraulic properties by assimilating soil temperatures using a particle batch smoother. 2016 , 91, 104-116		19
100	Development of in-aquifer heat testing for high resolution subsurface thermal-storage capability characterisation. <i>Journal of Hydrology</i> , 2016 , 534, 113-123	6	12
99	Using distributed temperature sensing to monitor field scale dynamics of ground surface temperature and related substrate heat flux. <i>Agricultural and Forest Meteorology</i> , 2016 , 220, 207-215	5-8	23

98	Evaluation of inert tracers in a bedrock fracture using ground penetrating radar and thermal sensors. <i>Geothermics</i> , 2017 , 67, 86-94	4-3	20
97	Ultrahigh Temperature Raman-Based Distributed Optical Fiber Sensor With Gold-Coated Fiber. 2017 , 23, 296-301		9
96	Development of facilities and methods for the metrological characterization of distributed temperature sensing systems based on optical fibres. 2017 , 28, 015009		5
95	Optical Sensors for the Exploration of Oil and Gas. 2017 , 35, 3538-3545		41
94	Quantitative analysis of the radiation error for aerial coiled-fiber-optic distributed temperature sensing deployments using reinforcing fabric as support structure. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2149-2162	4	10
93	Dynamic Calibration for Permanent Distributed Temperature Sensing Networks. 2018 , 18, 2342-2352		7
92	A high resolution measurement of the morning ABL transition using distributed temperature sensing and an unmanned aircraft system. 2018 , 18, 683-693		15
91	Multilayer-concept thermal response test: Measurement and analysis methodologies with a case study. <i>Geothermics</i> , 2018 , 71, 178-186	4-3	15
90	Estimating Travel Time in Bank Filtration Systems from a Numerical Model Based on DTS Measurements. <i>Ground Water</i> , 2018 , 56, 288-299	2-4	9
89	Low flow controls on stream thermal dynamics. 2018 , 68, 157-167		7
88	Mesocosm experiments reveal the direction of groundwater-surface water exchange alters the hyporheic refuge capacity under warming scenarios. 2018 , 63, 165-177		8
87	Mesocosm experiments identifying hotspots of groundwater upwelling in a water column by fibre optic distributed temperature sensing. 2018 , 32, 185-199		3
86	Distributed Thermal Response Tests Using a Heating Cable and Fiber Optic Temperature Sensing. 2018 , 11, 3059		13
85	Evaluation of Sensitivity of Downhole Temperature Estimates From Distributed Temperature Sensing Measurements. 2018 , 154, 106-111		3
84	Fiber-Optic Sensing for Environmental Applications: Where We Have Come From and What Is Possible. <i>Water Resources Research</i> , 2018 , 54, 8552-8557	5-4	24
83	Skin Effect of Fresh Water Measured Using Distributed Temperature Sensing. 2018 , 10, 214		5
82	A double-ended Raman temperature measurement method for hazardous chemicals warehouse. 2018 , 169, 62-68		4
81	NARX neural network model for strong resolution improvement in a distributed temperature sensor. <i>Applied Optics</i> , 2018 , 57, 5859-5864	1-7	9

80	Uchimizu: A Cool(ing) Tradition to Locally Decrease Air Temperature. 2018 , 10, 741		3
79	Use of fiber-optic distributed temperature sensing to investigate erosion of the non-convective zone in salt-gradient solar ponds. 2018 , 170, 499-509		2
78	Distributed Temperature Sensing for Soil Physical Measurements and Its Similarity to Heat Pulse Method. 2018 , 148, 173-230		29
77	Error correction of temperature measurement data obtained from an embedded bifilar optical fiber network in concrete dams. 2019 , 148, 106903		2
76	Comparative Experimental Study of a High-Temperature Raman-Based Distributed Optical Fiber Sensor with Different Special Fibers. <i>Sensors</i> , 2019 , 19,	3.8	17
75	Raman Distributed Temperature Sensor with Optical Dynamic Difference Compensation and Visual Localization Technology for Tunnel Fire Detection. <i>Sensors</i> , 2019 , 19,	3.8	20
74	Temperature measurements along a vertical borehole heat exchanger: A method comparison. <i>Renewable Energy</i> , 2019 , 143, 1247-1258	8.1	9
73	High-Resolution Observations of Subsurface Fronts and Alongshore Bottom Temperature Variability Over the Inner Shelf. 2019 , 124, 593-614		3
72	Estimation of the Variation in Specific Discharge Over Large Depth Using Distributed Temperature Sensing (DTS) Measurements of the Heat Pulse Response. <i>Water Resources Research</i> , 2019 , 55, 811-826	5.4	16
71	Chemically modified optical fibers in advanced technology: An overview. 2019 , 115, 404-432		28
70	Temperature buffering by groundwater in ecologically valuable lowland streams under current and future climate conditions. 2019 , 3, 100031		18
69	Application of distributed temperature sensing for mountain permafrost mapping. 2019 , 30, 113-120		5
68	Characterization of Diffuse Groundwater Inflows into Stream Water (Part II: Quantifying Groundwater Inflows by Coupling FO-DTS and Vertical Flow Velocities). 2019 , 11, 2430		4
67	Dipole and Convergent Single-Well Thermal Tracer Tests for Characterizing the Effect of Flow Configuration on Thermal Recovery. 2019 , 9, 440		2
66	Characterization of Diffuse Groundwater Inflows into Streamwater (Part I: Spatial and Temporal Mapping Framework Based on Fiber Optic Distributed Temperature Sensing). 2019 , 11, 2389		4
65	Novel Instrument for Temperature Measurements in Borehole Heat Exchangers. 2019 , 68, 1062-1070		4
64	Assessing soil water content variability through active heat distributed fiber optic temperature sensing. 2019 , 212, 193-202		8
63	Watershed-scale mapping of fractional snow cover under conifer forest canopy using lidar. 2019 , 222, 34-49		15

62	A Comparison of Tools and Methods for Estimating Groundwater-Surface Water Exchange. 2020 , 40, 24-34		5
61	Advanced thermal response tests: A review. 2020 , 119, 109575		20
60	Towards Improved Field Application of Using Distributed Temperature Sensing for Soil Moisture Estimation: A Laboratory Experiment. <i>Sensors</i> , 2019 , 20,	3.8	3
59	Wintertime Coastal Upwelling in Lake Geneva: An Efficient Transport Process for Deepwater Renewal in a Large, Deep Lake. 2020 , 125, e2020JC016095		6
58	The Heat Pulse Method for Soil Physical Measurements: A Bibliometric Analysis. 2020 , 10, 6171		6
57	A Review of Measurement Calibration and Interpretation for Seepage Monitoring by Optical Fiber Distributed Temperature Sensors. <i>Sensors</i> , 2020 , 20,	3.8	11
56	Combining fiber optic DTS, cross-hole ERT and time-lapse induction logging to characterize and monitor a coastal aquifer. <i>Journal of Hydrology</i> , 2020 , 588, 125050	6	15
55	Spring discharge and thermal regime of a groundwater dependent ecosystem in an arid karst environment. <i>Journal of Hydrology</i> , 2020 , 587, 124947	6	3
54	A multi-technique approach to determine temporal and spatial variability of groundwater-stream water exchange. 2020 , 34, 2612-2627		2
53	Stratified thermal response test measurement and analysis. 2020 , 215, 109865		4
52	Experimental and Model-Based Investigation of the Effect of the Free-Surface Flow Regime on the Detection Threshold of Warm Water Inflows. <i>Water Resources Research</i> , 2020 , 56, e2018WR023722	5.4	
51	Estimation of Temperature and Associated Uncertainty from Fiber-Optic Raman-Spectrum Distributed Temperature Sensing. <i>Sensors</i> , 2020 , 20,	3.8	13
50	Uncertainty analysis of wireless temperature measurement (WTM) in borehole heat exchangers. <i>Geothermics</i> , 2021 , 90, 102019	4.3	1
49	Numerical and Experimental Validation of the Applicability of Active-DTS Experiments to Estimate Thermal Conductivity and Groundwater Flux in Porous Media. <i>Water Resources Research</i> , 2021 , 57,	5.4	9
48	Multiscaling analysis of Soil Water Content during irrigation events. Comparison between surface and subsurface drip irrigation. <i>Geoderma</i> , 2021 , 382, 114777	6.7	4
47	Single-ended self-calibrating Raman-based distributed temperature sensing based on multi-core fiber. 2021 ,		
46	SNR enhancement of a Raman distributed temperature sensor using partial window-based non local means method. <i>Optical and Quantum Electronics</i> , 2021 , 53, 1	2.4	6
45	Fiber Optic Measurements of Soil Moisture in a Waste Rock Pile. <i>Ground Water</i> , 2021 , 59, 549-561	2.4	1

44	Experimental investigation on infrared radiation features of fracturing process in jointed rock under concentrated load. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2021 , 139, 104619	6	5
43	Suitability of fibre-optic distributed temperature sensing for revealing mixing processes and higher-order moments at the forest-air interface. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2409-2427	4	6
42	BPM-Matlab: an open-source optical propagation simulation tool in MATLAB. <i>Optics Express</i> , 2021 , 29, 11819-11832	3.3	6
41	Thermodynamics of a fast-moving Greenlandic outlet glacier revealed by fiber-optic distributed temperature sensing. <i>Science Advances</i> , 2021 , 7,	14.3	6
40	Modelling borehole flows from Distributed Temperature Sensing data to monitor groundwater dynamics in fractured media. <i>Journal of Hydrology</i> , 2021 , 598, 126450	6	1
39	The NY-Isund Turbulence Fiber Optic eXperiment (NYTEFOX): investigating the Arctic boundary layer, Svalbard. <i>Earth System Science Data</i> , 2021 , 13, 3439-3452	10.5	4
38	Single-ended self-calibration high-accuracy Raman distributed temperature sensing based on multi-core fiber. <i>Optics Express</i> , 2021 , 29, 34762-34769	3.3	0
37	Optical Fibre-Based Sensors for Oil and Gas Applications. <i>Sensors</i> , 2021 , 21,	3.8	3
36	Comparison of three types of fiber optic sensors for temperature monitoring in a groundwater flow simulator. <i>Sensors and Actuators A: Physical</i> , 2021 , 331, 112682	3.9	3
35	Temperature accuracy enhancement of ROTDR by weighted nuclear norm minimization algorithm. <i>Optical Fiber Technology</i> , 2021 , 67, 102688	2.4	0
34	A distributed heat pulse sensor network for thermo-hydraulic monitoring of the soil subsurface. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2020 , 53, 352-365	1.4	6
33	Distributed Temperature Sensing for Oceanographic Applications. <i>Journal of Atmospheric and Oceanic Technology</i> , 2020 , 37, 1987-1997	2	2
32	Attenuation calibration method based on sensitivity correction in a Raman distributed temperature system. <i>Applied Optics</i> , 2020 , 59, 300-305	1.7	4
31	Ultrahigh temperature and strain hybrid integrated sensor system based on Raman and femtosecond FBG inscription in a multimode gold-coated fiber. <i>Optics Express</i> , 2019 , 27, 37122-37130	3.3	6
30	A Comparison of Different Methods to Estimate the Effective Spatial Resolution of FO-DTS Measurements Achieved during Sandbox Experiments. <i>Sensors</i> , 2020 , 20,	3.8	11
29	Revisiting wind speed measurements using actively heated fiber optics: a wind tunnel study. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 5423-5439	4	7
28	Limitations of fibre optic distributed temperature sensing for quantifying surface water groundwater interactions.		4
27	Distributed Temperature Sensing Based on Raman Scattering. 2022 , 625-656		

26	Autonomous distributed temperature sensing for long-term heated applications in remote areas.		
25	Novel use of the enhanced thermal response test in crystalline bedrock. <i>Renewable Energy</i> , 2022 , 182, 467-482	8.1	4
24	Distributed optical fiber temperature sensor based on self-compensation of fitting attenuation difference. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020 , 69, 030701	0.6	
23	Optical Fiber-Based Distributed Sensing Methods. <i>Springer Handbooks</i> , 2021 , 611-633	1.3	5
22	11. Transfert de chaleur dans les aquifères et géothermie peu profonde. 2020 , 341-364		
21	An ADTS Toolbox for automatically interpreting Active Distributed Temperature Sensing measurements.. <i>Ground Water</i> , 2022 ,	2.4	4
20	The Large eddy Observatory, Voitsumra Experiment 2019 (LOVE19) with high-resolution, spatially distributed observations of air temperature, wind speed, and wind direction from fiber-optic distributed sensing, towers, and ground-based remote sensing. <i>Earth System Science Data</i> , 2022 , 14, 885-906	10.5	1
19	Recent improvement on spatial resolution enhanced distributed temperature sensors. 2022 ,		
18	Combining passive and active distributed temperature sensing measurements to locate and quantify groundwater discharge variability into a headwater stream. <i>Hydrology and Earth System Sciences</i> , 2022 , 26, 1459-1479	5.5	2
17	Challenges and opportunities in distributed anti-Stokes Raman thermometry. <i>ISSS Journal of Micro and Smart Systems</i> , 1	0.9	1
16	Distinguishing Time Scales of Katabatic Flow in Complex Terrain. <i>Atmosphere</i> , 2021 , 12, 1651	2.7	1
15	Quantifying the coastal urban surface layer structure using distributed temperature sensing in Helsinki, Finland. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 2417-2432	4	
14	Extension of Duplexed Single-Ended Distributed Temperature Sensing Calibration Algorithms and Their Application in Geothermal Systems.. <i>Sensors</i> , 2022 , 22,	3.8	0
13	Physics and applications of Raman distributed optical fiber sensing.. <i>Light: Science and Applications</i> , 2022 , 11, 128	16.7	2
12	Detecting nighttime inversions in the interior of a Douglas fir canopy. <i>Agricultural and Forest Meteorology</i> , 2022 , 321, 108960	5.8	0
11	A Dynamic Calibration of Optical Fiber DTS Measurements Using PEST and Reference Thermometers. <i>Sensors</i> , 2022 , 22, 3890	3.8	1
10	Solid-Phase Reference Baths for Fiber-Optic Distributed Sensing. <i>Sensors</i> , 2022 , 22, 4244	3.8	0
9	Probing the eddy size and its effective mixing length in stably stratified roughness sublayer flows.		0

- 8 Raman scattering-based distributed temperature sensors: A comprehensive literature review over the past 37 years and towards new avenues. **2022**, 74, 103091
- 7 Active distributed temperature sensing to assess surface water-groundwater interaction and river loss in braided river systems. **2022**, 615, 128667
- 6 Fiber Optic Technology for Environmental Monitoring: State of the Art and Application in the Observatory of Transfers in the Vadose Zone-(O-ZNS). **2022**, 189-222
- 5 Spatial derivative-based compression approach for distributed temperature data.
- 4 Clogging detection and productive layers identification along boreholes using Active Distributed Temperature Sensing. **2023**, 129113
- 3 Investigating river-aquifer interactions using heat as a tracer in the Silala river transboundary basin.
- 2 Toward quantifying turbulent vertical airflow and sensible heat flux in tall forest canopies using fiber-optic distributed temperature sensing. **2023**, 16, 809-824
- 1 Phenophase-based comparison of field observations to satellite-based actual evaporation estimates of a natural woodland: miombo woodland, southern Africa. **2023**, 27, 1695-1722