Xiaoyi Bao

List of Publications by Year in Descending Order

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

390 papers	8,708 citations	44 h-index	78 g-index
513 ext. papers	10,939 ext. citations	2.8 avg, IF	6.53 L-index

#	Paper	IF	Citations
390	Acoustic wave coupling in dual-wavelength orthogonal polarized Brillouin random fiber laser using polarization-maintaining fiber. *Journal of Lightwave Technology*, **2022**, 1-1	4	1
389	U-shape core-offset fiber sensor with submicrostrain resolution over a 35 millistrain range.. *Applied Optics*, **2022**, 61, 1150-1155	1.7	2
388	Orthogonal polarization clamping and interleaving in polarization maintaining fiber random Brillouin lasers. *Optics Communications*, **2022**, 509, 127697	2	1
387	Frequency-stabilized Brillouin random fiber laser enabled by self-inscribed transient population grating.. *Optics Letters*, **2022**, 47, 150-153	3	4
386	Broadband ultrasound sensing based on fused dual-core chalcogenide-PMMA microfibers.. *Optics Express*, **2022**, 30, 8847-8856	3.3	0
385	Sensitivity enhancement of fiber optical polarimetric sensors using self-induced nonlinear phase modulation via the Kerr effect.. *Optics Express*, **2022**, 30, 13985-13993	3.3	0
384	High-resolution surface acoustic wave (SAW) strain sensor based on acoustic Fabry-Pérot resonance. *Sensors and Actuators A: Physical*, **2022**, 338, 113504	3.9	1
383	Generation of high performance optical chirped pulse for distributed strain sensing application with high strain accuracy and larger measurement range. *Optics Express*, **2022**, 30, 18518	3.3	1
382	Stabilizing Brillouin random laser with photon localization by feedback of distributed random fiber grating array. *Optics Express*, **2022**, 30, 20712	3.3	0
381	High extinction ratio optical pulse characterization method via single-photon counting. *Applied Optics*, **2021**, 60, 20-23	1.7	2
380	Fabrication of high frequency SAW devices using tri-layer lift-off photolithography. *Microelectronic Engineering*, **2021**, 253, 111671	2.5	1
379	All-optical intensity fluctuation magnification using Kerr effect: erratum. *Optics Express*, **2021**, 29, 38082-38083	3.3	
378	Single-shot chirped pulse BOTDA for static and dynamic strain sensing. *Optics Letters*, **2021**, 46, 5774-5777	3	
377	Non-destructive and distributed measurement of optical fiber diameter with nanometer resolution based on coherent forward stimulated Brillouin scattering. *Light Advanced Manufacturing*, **2021**, 2, 1-12	1	4
376	Recent Advancements in Rayleigh Scattering-Based Distributed Fiber Sensors **2021**, 2021, 1-17		6
375	Distributed static and dynamic detection of an acoustic wave in a Brillouin random fiber laser. *Photonics Research*, **2021**, 9, 772	6	2
374	All-optical pulse peak power stabilization and its impact in phase-OTDR vibration detection. *OSA Continuum*, **2021**, 4, 1430	1.4	3

373	Temperature-Insensitive Strain Sensor Based on Microsphere-Embedded Core-Offset Fiber With High Sensitivity. *Journal of Lightwave Technology*, **2021**, 39, 2547-2551	4	3
372	Review: distributed time-domain sensors based on Brillouin scattering and FWM enhanced SBS for temperature, strain and acoustic wave detection. *PhotoniX*, **2021**, 2, 14	19	6
371	Salinity Concentration Sensing Based on a Tapered Dual-Core As2Se3-PMMA Hybrid Fiber. *IEEE Photonics Technology Letters*, **2021**, 33, 181-184	2.2	1
370	Stimulated Brillouin scattering in high-birefringence elliptical-core AsSe-PMMA microfibers. *Optics Letters*, **2021**, 46, 945-948	3	1
369	Ultrafast Laser Processing of Optical Fibers for Sensing Applications. *Sensors*, **2021**, 21,	3.8	5
368	High efficiency Brillouin random fiber laser with replica symmetry breaking enabled by random fiber grating. *Optics Express*, **2021**, 29, 6532-6541	3.3	8
367	Ultra-low frequency dynamic strain detection with laser frequency drifting compensation based on a random fiber grating array. *Optics Letters*, **2021**, 46, 789-792	3	6
366	Frequency sweep extension using the Kerr effect for static temperature measurement range enhancement in Chirped Pulse ΦOTDR. *Optics Express*, **2021**, 29, 23202-23212	3.3	2
365	All-optical enhancement of minimum detectable perturbation in intensity-based fiber sensors. *Optics Express*, **2021**, 29, 32114-32123	3.3	1
364	Random Fiber Grating Characterization Based on OFDR and Transfer Matrix Method. *Sensors*, **2020**, 20,	3.8	1
363	Fabrication of Multiple Superimposed Fiber Bragg Gratings for Multiple Parameter Sensing **2020**, 4, 1-4		1
362	High-Efficiency Random Fiber Laser Based on Strong Random Fiber Grating for MHz Ultrasonic Sensing. *IEEE Sensors Journal*, **2020**, 20, 5885-5892	4	7
361	Fiber-Optic Ultrasound Transmitter Based on Multi-Mode Interference in Curved Adhesive Waveguide. *IEEE Photonics Technology Letters*, **2020**, 32, 325-328	2.2	9
360	Fabrication of Chirped Fiber Bragg Gratings in a Non-Uniform Single-Core As2Se3-PMMA Tapered Fiber. *Journal of Lightwave Technology*, **2020**, 1-1	4	1
359	Fiber-Optic Sensor Based on Core-Offset Fused Unequal-Length Fiber Segments to Improve Ultrasound Detection Sensitivity. *IEEE Sensors Journal*, **2020**, 20, 9148-9154	4	3
358	All-optical intensity fluctuation magnification using Kerr effect. *Optics Express*, **2020**, 28, 3789-3794	3.3	9
357	Unveiling delay-time-resolved phase noise statistics of narrow-linewidth laser via coherent optical time domain reflectometry. *Optics Express*, **2020**, 28, 6719-6733	3.3	5
356	Signal-to-noise ratio analysis of computational distributed fiber-optic sensing. *Optics Express*, **2020**, 28, 9563-9571	3.3	1

355	Wide-range strain sensor based on Brillouin frequency and linewidth in an AsSe-PMMA hybrid microfiber. *Optics Express*, **2020**, 28, 22933-22945	3.3	5
354	Nonlinear resolution enhancement of an FBG based temperature sensor using the Kerr effect. *Optics Express*, **2020**, 28, 39181-39188	3.3	6
353	Mode characteristic manipulation of random feedback interferometers in Brillouin random fiber laser. *Optics Letters*, **2020**, 45, 678-681	3	7
352	Chalcogenide microfiber-assisted silica microfiber for ultrasound detection. *Optics Letters*, **2020**, 45, 1128-1131	3	13
351	Stimulated Brillouin scattering in a tapered dual-core AsSe-PMMA fiber for simultaneous temperature and strain sensing. *Optics Letters*, **2020**, 45, 3301-3304	3	9
350	Distributed time delay sensing in a random fiber grating array based on chirped pulse □OTDR. *Optics Letters*, **2020**, 45, 3423-3426	3	7
349	Combined compression-tension strain sensor over 1 μ□-20 m□ by using non-uniform multiple-core-offset fiber. *Optics Letters*, **2020**, 45, 3143-3146	3	10
348	Ultracompact twisted silica taper for 20 kHz to 94 MHz ultrasound sensing. *Optics Letters*, **2020**, 45, 3889-3892	3	6
347	Compact single-end pumped Brillouin random fiber laser with enhanced distributed feedback. *Optics Letters*, **2020**, 45, 4236-4239	3	7
346	Strain measurement range enhanced chirped pulse □OTDR for distributed static and dynamic strain measurement based on random fiber grating array. *Optics Letters*, **2020**, 45, 6110	3	7
345	Opto-mechanical time-domain analysis based on coherent forward stimulated Brillouin scattering probing. *Optica*, **2020**, 7, 176	8.6	37
344	Performance enhancement of Brillouin sensing systems based on compressive sampling. *OSA Continuum*, **2020**, 3, 3116	1.4	
343	Chalcogenide Taper and Its Nonlinear Effects and Sensing Applications. *IScience*, **2020**, 23, 100802	6.1	12
342	High spatial resolution: an integrative review of its developments on the Brillouin optical time- and correlation-domain analysis. *Measurement Science and Technology*, **2020**, 31, 052001	2	9
341	Distributed High Temperature Monitoring of SMF under Electrical Arc Discharges Based on OFDR. *Sensors*, **2020**, 20,	3.8	4
340	Simultaneously Self-Inscribed Antisymmetric Long-Period Grating and Antisymmetric Apodized Fiber Bragg Grating in a Dual-Core As$_{2}$Se$_{3}$-PMMA Tapered Fiber. *Journal of Lightwave Technology*, **2020**, 38, 6345-6351	4	
339	Tapered Assisted Dual Micro-Bubble-Device for Ultrasound Sensor. *IEEE Photonics Technology Letters*, **2020**, 32, 1219-1222	2.2	6
338	Dynamic detection of acoustic wave generated by polarization maintaining Brillouin random fiber laser. *APL Photonics*, **2020**, 5, 096101	5.2	5

337	Computational distributed fiber-optic sensing. *Optics Express*, **2019**, 27, 17069-17079	3.3	8
336	Precision Dynamic Sensing With Ultra-Weak Fiber Bragg Grating Arrays by Wavelength to Frequency Transform. *Journal of Lightwave Technology*, **2019**, 37, 3526-3531	4	2
335	Low-Loss Random Fiber Gratings Made With an fs-IR Laser for Distributed Fiber Sensing. *Journal of Lightwave Technology*, **2019**, 37, 4697-4702	4	22
334	Approach for Temperature-Sensitivity Enhancement in a Tapered Dual-Core As2Se3-PMMA Fiber With an Antisymmetric Long-Period Grating. *Journal of Lightwave Technology*, **2019**, 37, 2734-2738	4	4
333	Calculation Method of Brillouin Power and Frequency Coefficients for Fiber Strain and Temperature Based on Multi-Layer Segmentation. *Journal of Lightwave Technology*, **2019**, 37, 4947-4956	4	1
332	Refractive index sensing based on Brillouin scattering in a micro fiber. *Applied Physics Express*, **2019**, 12, 082013	2.4	4
331	Trench-assisted multimode fiber used in Brillouin optical time domain sensors. *Optics Express*, **2019**, 27, 11396-11405	3.3	6
330	Simultaneous generation of guided-acoustic-wave Brillouin scattering and stimulated-Brillouin-scattering in hybrid AsSe-PMMA microtapers. *Optics Express*, **2019**, 27, 13734-13743	3.3	7
329	Ultrasound sensing based on an in-fiber dual-cavity Fabry-Perot interferometer. *Optics Letters*, **2019**, 44, 3606-3609	3	22
328	Thermal and acoustic noise insensitive Brillouin random fiber laser based on polarization-maintaining random fiber grating. *Optics Letters*, **2019**, 44, 4195-4198	3	12
327	High birefringent Brillouin frequency shifts in a single-mode AsSe-PMMA microtaper induced by a transverse load. *Optics Letters*, **2019**, 44, 4789-4792	3	7
326	Simultaneous generation of guided-acoustic-wave Brillouin scattering and stimulated-Brillouin-scattering in hybrid AsSe-PMMA microtapers: errata. *Optics Express*, **2019**, 27, 19842	3.3	
325	10 kHz-34 MHz ultrasound detection based on a dual-core hybrid taper. *APL Photonics*, **2019**, 4, 110805	5.2	6
324	Time-delay signature concealed broadband gain-coupled chaotic laser with fiber random grating induced distributed feedback. *Optics and Laser Technology*, **2019**, 109, 654-658	4.2	7
323	Micro-Cavity Array With High Accuracy for Fully Distributed Optical Fiber Sensing. *Journal of Lightwave Technology*, **2019**, 37, 927-932	4	11
322	Multi-Wavelength Brillouin Random Fiber Laser via Distributed Feedback From a Random Fiber Grating. *Journal of Lightwave Technology*, **2018**, 36, 2122-2128	4	27
321	Linearly Polarized Multi-Wavelength Fiber Laser Comb via Brillouin Random Lasing Oscillation. *IEEE Photonics Technology Letters*, **2018**, 30, 1005-1008	2.2	5
320	Micro-structured fibers and their applications in fiber-optic sensors and random fiber lasers. *Canadian Journal of Physics*, **2018**, 96, 359-365	1.1	1

319	Multiwavelength Coherent Brillouin Random Fiber Laser With Ultrahigh Optical Signal-to-Noise Ratio. *IEEE Journal of Selected Topics in Quantum Electronics*, **2018**, 24, 1-8	3.8	13
318	Simultaneous distributed static and dynamic sensing based on ultra-short fiber Bragg gratings. *Optics Express*, **2018**, 26, 17437-17446	3.3	34
317	High-speed demodulation of weak fiber Bragg gratings based on microwave photonics and chromatic dispersion. *Optics Letters*, **2018**, 43, 2430-2433	3	10
316	Single-shot BOTDA based on an optical chirp chain probe wave for distributed ultrafast measurement. *Light: Science and Applications*, **2018**, 7, 32	16.7	105
315	Spatially Resolved Brillouin Spectral Hole Burning in PMF and SMF. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	
314	Simultaneous Measurement of Temperature and Strain in a Dual-Core As2Se3-PMMA Taper. *IEEE Photonics Technology Letters*, **2018**, 30, 79-82	2.2	9
313	Random Fiber Gratings Fabricated Using Fs-IR Laser for Distributed Temperature Sensor Application **2018**,		3
312	150 km fast BOTDA based on the optical chirp chain probe wave and Brillouin loss scheme. *Optics Letters*, **2018**, 43, 4679-4682	3	30
311	Large-scale multiplexing of a FBG array with randomly varied characteristic parameters for distributed sensing. *Optics Letters*, **2018**, 43, 5259-5262	3	16
310	Brillouin optical time-domain analysis via compressed sensing. *Optics Letters*, **2018**, 43, 5496-5499	3	13
309	Linearly Polarized Multi-wavelength Comb via Rayleigh Scattering induced Brillouin Random Lasing Resonance **2018**,		1
308	Sub-MHz Ultrasonic Sensor Using Fiber Laser Based on Random Fiber Grating **2018**,		1
307	Detection of Thermal Strain in Steel Rails with BOTDA. *Applied Sciences (Switzerland)*, **2018**, 8, 2013	2.6	4
306	Orthogonal polarization switchable lasing based on axial polarization pulling of SBS in polarization-maintaining fiber. *Optics Express*, **2018**, 26, 28385-28395	3.3	4
305	Approach for temperature-insensitive strain measurement using a dual-core AsSe-PMMA taper. *Optics Letters*, **2018**, 43, 1523-1526	3	6
304	High-Sensitivity Temperature and Strain Measurement in Dual-Core Hybrid Tapers. *IEEE Photonics Technology Letters*, **2018**, 30, 1155-1158	2.2	11
303	Spectral Polarization Spreading Behaviors in Stimulated Brillouin Scattering of Fibers. *IEEE Photonics Journal*, **2017**, 9, 1-11	1.8	4
302	Multi-parameter fiber optic sensors based on fiber random grating **2017**,		1

301	Measuring strain fields in FRP strengthened RC shear walls using a distributed fiber optic sensor. *Engineering Structures*, **2017**, 152, 359-369	4.7	16
300	Introduction to the Issue on Photonics for Sensing. *IEEE Journal of Selected Topics in Quantum Electronics*, **2017**, 23, 5-7	3.8	5
299	A High-Speed Distributed Ultra-Weak FBG Sensing System With High Resolution. *IEEE Photonics Technology Letters*, **2017**, 29, 1249-1252	2.2	20
298	High-Speed Random Bit Generation via Brillouin Random Fiber Laser With Non-Uniform Fibers. *IEEE Photonics Technology Letters*, **2017**, 29, 1352-1355	2.2	5
297	Recent Development in the Distributed Fiber Optic Acoustic and Ultrasonic Detection. *Journal of Lightwave Technology*, **2017**, 35, 3256-3267	4	56
296	High-efficiency Brillouin random fiber laser using all-polarization maintaining ring cavity. *Optics Express*, **2017**, 25, 11306-11314	3.3	27
295	Self-inscribed antisymmetric long-period grating in a dual-core AsSe-PMMA fiber. *Optics Express*, **2017**, 25, 12409-12414	3.3	12
294	Single-mode SOA-based 1kHz-linewidth dual-wavelength random fiber laser. *Optics Express*, **2017**, 25, 15828-15837	3.3	30
293	Polarization dependent Brillouin frequency shift fluctuation induced by low birefringence in single mode fiber. *Optics Express*, **2017**, 25, 31896-31905	3.3	5
292	Time-delay signature suppression in a chaotic semiconductor laser by fiber random grating induced random distributed feedback. *Optics Letters*, **2017**, 42, 4107-4110	3	24
291	Highly sensitive fiber random-grating-based random laser sensor for ultrasound detection. *Optics Letters*, **2017**, 42, 1353-1356	3	47
290	Recent Developments in Micro-Structured Fiber Optic Sensors. *Fibers*, **2017**, 5, 3	3.7	34
289	Multi-wavelength Coherent Brillouin Random Fiber Laser with High Optical Signal-to-Noise Ratio **2017**,		3
288	Linearly polarized low-noise Brillouin random fiber laser. *Optics Letters*, **2017**, 42, 739-742	3	22
287	Real-time physical random bit generation at Gbps based on random fiber lasers. *Optics Letters*, **2017**, 42, 4796-4799	3	6
286	Phase-shifted Brillouin dynamic gratings using single pump phase-modulation: proof of concept. *Optics Express*, **2016**, 24, 11218-31	3.3	6
285	Distributed dynamic strain measurement using optical frequency-domain reflectometry. *Applied Optics*, **2016**, 55, 6735-9	0.2	23
284	Influence of finite extinction ratio on performance of phase-sensitive optical time-domain reflectometry. *Optics Express*, **2016**, 24, 13325-33	3.3	26

283	Low-noise Brillouin random fiber laser with a random grating-based resonator. *Optics Letters*, **2016**, 41, 3197-200	3	30
282	1200°C high-temperature distributed optical fiber sensing using Brillouin optical time domain analysis. *Applied Optics*, **2016**, 55, 5471-8	0.2	15
281	Study of □OTDR stability for dynamic strain measurement in piezoelectric vibration. *Photonic Sensors*, **2016**, 6, 199-208	2.3	11
280	Multi-parameter sensor based on stimulated Brillouin scattering in inverse-parabolic graded-index fiber. *Optics Letters*, **2016**, 41, 1138-41	3	20
279	Study of chromatic dispersion impact on nonlinear interaction between two sinusoidally modulated optical signals using theory of four-wave mixing. *Journal of the Optical Society of America B: Optical Physics*, **2016**, 33, 110	1.7	2
278	Theoretical and Experimental Analysis of $Phi $ -OTDR Based on Polarization Diversity Detection. *IEEE Photonics Technology Letters*, **2016**, 28, 697-700	2.2	55
277	Random Brillouin fiber laser for tunable ultra-narrow linewidth microwave generation. *Optics Letters*, **2016**, 41, 4839-4842	3	13
276	Temperature-compensated distributed hydrostatic pressure sensor with a thin-diameter polarization-maintaining photonic crystal fiber based on Brillouin dynamic gratings. *Optics Letters*, **2016**, 41, 4413-6	3	35
275	Enhancement of optical pulse extinction-ratio using the nonlinear Kerr effect for phase-OTDR. *Optics Express*, **2016**, 24, 19424-34	3.3	22
274	Tapered fiber based Brillouin random fiber laser and its application for linewidth measurement. *Optics Express*, **2016**, 24, 28353-28360	3.3	10
273	Multi-parameter sensor based on random fiber lasers. *AIP Advances*, **2016**, 6, 095009	1.5	16
272	Phase-shift detection in a Fourier-transform method for temperature sensing using a tapered fiber microknot resonator. *Optics Letters*, **2016**, 41, 1344-7	3	1
271	. *IEEE Photonics Technology Letters*, **2015**, 27, 490-493	2.2	16
270	Dispersion effects of high-order-mode fiber on temperature and axial strain discrimination. *Photonic Sensors*, **2015**, 5, 224-234	2.3	3
269	. *IEEE Photonics Journal*, **2015**, 7, 1-7	1.8	8
268	Group-Delay-Based Temperature Sensing in Linearly-Chirped Fiber Bragg Gratings Using a Kerr Phase-Interrogator. *Journal of Lightwave Technology*, **2015**, 33, 381-385	4	12
267	Multi-parameter sensing based on the stimulated Brillouin scattering of higher-order acoustic modes in OAM fiber **2015**,		2
266	Sensitivity enhancement beyond the wavelength limit in a novel sub-micron displacement sensor. *Optics Express*, **2015**, 23, 17838-44	3.3	5

265	Bend-insensitive distributed sensing in singlemode-multimode-singlemode optical fiber structure by using Brillouin optical time-domain analysis. *Optics Express*, **2015**, 23, 22714-22	3.3	20
264	Random Fabry-Perot resonator-based sub-kHz Brillouin fiber laser to improve spectral resolution in linewidth measurement. *Optics Letters*, **2015**, 40, 1920-3	3	19
263	Frequency Response Enhancement by Periodical Nonuniform Sampling in Distributed Sensing. *IEEE Photonics Technology Letters*, **2015**, 27, 2158-2161	2.2	33
262	Chromatic-Dispersion Monitor Based on a Differential Phase-Shift Method Using a Kerr Phase-Interrogator. *IEEE Photonics Journal*, **2015**, 7, 1-6	1.8	6
261	Review: optical fiber sensors for civil engineering applications. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 871-906	3.4	214
260	In-fiber Mach□ehnder interferometric refractive index sensors with guided and leaky modes. *Sensors and Actuators B: Chemical*, **2015**, 206, 246-251	8.5	44
259	High-sensitivity distributed transverse load sensor with an elliptical-core fiber based on Brillouin dynamic gratings. *Optics Letters*, **2015**, 40, 5003-6	3	22
258	Dispersion characterization of group birefringence in polarization-maintaining fiber using a Kerr phase-interrogator **2015**,		1
257	Multiwavelength Single-Longitudinal-Mode Brillouin□rbium Fiber Laser Sensor for Temperature Measurements With Ultrahigh Resolution. *IEEE Photonics Journal*, **2015**, 7, 1-9	1.8	8
256	Polarization dependence of the nonlinear interaction between sinusoidally modulated optical signals in a randomly birefringent optical fiber. *Applied Optics*, **2015**, 54, 9563-7	0.2	
255	Truly random bit generation based on a novel random Brillouin fiber laser. *Optics Letters*, **2015**, 40, 5415-8	3	11
254	Optical fiber random grating-based multiparameter sensor. *Optics Letters*, **2015**, 40, 5514-7	3	36
253	Distributed group birefringence measurement in a polarization-maintaining fiber using optical frequency-domain reflectometry. *Optics Communications*, **2015**, 345, 62-66	2	3
252	Characterization of high nonlinearity in Brillouin amplification in optical fibers with applications in fiber sensing and photonic logic. *Photonics Research*, **2014**, 2, 1	6	10
251	. *IEEE Photonics Technology Letters*, **2014**, 26, 2058-2061	2.2	12
250	Distributed vibration/acoustic sensing with high frequency response and spatial resolution based on time-division multiplexing. *Optics Communications*, **2014**, 331, 287-290	2	13
249	Suppression of thermal frequency noise in erbium-doped fiber random lasers. *Optics Letters*, **2014**, 39, 1038-41	3	31
248	Long-Range High Spatial Resolution Distributed Temperature and Strain Sensing Based on Optical Frequency-Domain Reflectometry. *IEEE Photonics Journal*, **2014**, 6, 1-8	1.8	87

247	Random spaced index modulation for a narrow linewidth tunable fiber laser with low intensity noise. *Optics Letters*, **2014**, 39, 2294-7	3	33
246	Sub-MHz ultrahigh-resolution optical spectrometry based on Brillouin dynamic gratings. *Optics Letters*, **2014**, 39, 2967-70	3	31
245	Moment-generating function method used to accurately evaluate the impact of the linearized optical noise amplified by EDFAs. *Optics Express*, **2014**, 22, 6620-33	3.3	
244	Chromatic-dispersion measurement by modulation phase-shift method using a Kerr phase-interrogator. *Optics Express*, **2014**, 22, 22314-9	3.3	14
243	Characterization of evolution of mode coupling in a graded-index polymer optical fiber by using Brillouin optical time-domain analysis. *Optics Express*, **2014**, 22, 26510-6	3.3	36
242	Effects of polarization on stimulated Brillouin scattering in a birefringent optical fiber. *Photonics Research*, **2014**, 2, 126	6	5
241	Displacement sensor based on Kerr induced phase-modulation of orthogonally polarized sinusoidal optical signals. *Optics Express*, **2014**, 22, 9095-100	3.3	10
240	Narrow linewidth low frequency noise Er-doped fiber ring laser based on femtosecond laser induced random feedback. *Applied Physics Letters*, **2014**, 105, 101105	3.4	22
239	OTDR and OFDR for distributed multi-parameter sensing **2014**,		2
238	Tapered polarization-maintaining fiber sensor based on analysis of polarization evolution **2014**,		1
237	Real distributed vibration sensing with high frequency response based on pulse pair **2014**,		1
236	High-resolution high-sensitivity and truly distributed optical frequency domain reflectometry for structural crack detection **2014**,		1
235	Distributed Strain and Temperature Measurement by Brillouin Beat Spectrum. *IEEE Photonics Technology Letters*, **2013**, 25, 1050-1053	2.2	21
234	Compensation of temperature and strain coefficients due to local birefringence using optical frequency domain reflectometry. *Optics Communications*, **2013**, 311, 26-32	2	28
233	Distributed temperature and strain discrimination with stimulated brillouin scattering and rayleigh backscatter in an optical fiber. *Sensors*, **2013**, 13, 1836-45	3.8	39
232	Discrimination of temperature and axial strain using dispersion effects of high-order-mode fibers **2013**,		1
231	Modulated pulses based distributed vibration sensing with high frequency response and spatial resolution. *Optics Express*, **2013**, 21, 2953-63	3.3	113
230	All Fiber Distributed Vibration Sensing Using Modulated Time-Difference Pulses. *IEEE Photonics Technology Letters*, **2013**, 25, 1955-1957	2.2	47

229	Long-Range and High-Spatial-Resolution Distributed Birefringence Measurement of a Polarization-Maintaining Fiber Based on Brillouin Dynamic Grating. *Journal of Lightwave Technology* , **2013**, 31, 2681-2686	4	15
228	Highly sensitive in-fiber interferometric refractometer with temperature and axial strain compensation. *Optics Express*, **2013**, 21, 9996-10009	3.3	48
227	Frequency stabilized coherent Brillouin random fiber laser: theory and experiments. *Optics Express*, **2013**, 21, 27155-68	3.3	45
226	Polarization-maintaining property of tapered polarization-maintaining fibers. *Applied Optics*, **2013**, 52, 1550-4	1.7	5
225	All-optical NAND/NOT/AND/OR logic gates based on combined Brillouin gain and loss in an optical fiber. *Applied Optics*, **2013**, 52, 3404-11	1.7	7
224	Polarization-decoupled four-wave mixing based on stimulated Brillouin scattering in a polarization-maintaining fiber. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 821	1.7	7
223	Vibration sensing using a tapered bend-insensitive fiber based Mach-Zehnder interferometer. *Optics Express*, **2013**, 21, 3031-42	3.3	44
222	In-line fiber microcantilever vibration sensor. *Applied Physics Letters*, **2013**, 103, 211113	3.4	19
221	High-Spatial-Resolution Fast BOTDA for Dynamic Strain Measurement Based on Differential Double-Pulse and Second-Order Sideband of Modulation. *IEEE Photonics Journal*, **2013**, 5, 2600407-2600407	1.8	58
220	Observation of narrow linewidth spikes in the coherent Brillouin random fiber laser. *Optics Letters*, **2013**, 38, 1866-8	3	82
219	A self-gain random distributed feedback fiber laser based on stimulated Rayleigh scattering. *Optics Communications*, **2012**, 285, 1371-1374	2	17
218	Brillouin Spectrum in LEAF and Simultaneous Temperature and Strain Measurement. *Journal of Lightwave Technology*, **2012**, 30, 1053-1059	4	42
217	Extending the Sensing Range of Brillouin Optical Time-Domain Analysis Combining Frequency-Division Multiplexing and In-Line EDFAs. *Journal of Lightwave Technology*, **2012**, 30, 1161-1167	4	81
216	Wavelet Denoising Method for Improving Detection Performance of Distributed Vibration Sensor. *IEEE Photonics Technology Letters*, **2012**, 24, 542-544	2.2	173
215	Distributed Mode Coupling Measurement Along Tapered Single-Mode Fibers With Optical Frequency-Domain Reflectometry. *Journal of Lightwave Technology*, **2012**, 30, 1499-1508	4	8
214	2 cm spatial-resolution and 2 km range Brillouin optical fiber sensor using a transient differential pulse pair. *Applied Optics*, **2012**, 51, 1229-35	1.7	145
213	Simultaneous refractive index and temperature measurements using a tapered bend-resistant fiber interferometer. *Optics Letters*, **2012**, 37, 4567-9	3	46
212	Tapered-fiber-based refractive index sensor at an air/solution interface. *Applied Optics*, **2012**, 51, 7368-73	1.7	25

211	Distributed birefringence, strain and temperature measurement by homodyne BOTDR **2012**,		1
210	Recent progress in distributed fiber optic sensors. *Sensors*, **2012**, 12, 8601-39	3.8	690
209	Impacts of Kerr effect and fiber dispersion on long-range Brillouin optical time-domain analysis systems **2012**,		2
208	Characterization of Brillouin Gratings in Optical Fibers and Their Applications **2012**,		3
207	Continuous wavelet transform for non-stationary vibration detection with phase-OTDR. *Optics Express*, **2012**, 20, 20459-65	3.3	77
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