Cynthia M Furse

List of Publications by Year
in descending order

194	4,161	186265 28	138484 58
papers	citations	h-index	g-index

199	199	199	1975
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electromagnetic absorption in the human head and neck for mobile telephones at 835 and 1900 MHz. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 1884-1897.	4.6	422
2	Design of Implantable Microstrip Antenna for Communication With Medical Implants. IEEE Transactions on Microwave Theory and Techniques, 2004, 52, 1944-1951.	4.6	392
3	Analysis of spread spectrum time domain reflectometry for wire fault location. IEEE Sensors Journal, 2005, 5, 1469-1478.	4.7	271
4	Frequency-domain reflectometery for on-board testing of aging aircraft wiring. IEEE Transactions on Electromagnetic Compatibility, 2003, 45, 306-315.	2.2	193
5	A critical comparison of reflectometry methods for location of wiring faults. Smart Structures and Systems, 2006, 2, 25-46.	1.9	179
6	The invisible fray: a critical analysis of the use of reflectometry for fray location. IEEE Sensors Journal, 2006, 6, 697-706.	4.7	121
7	Miniaturized biocompatible microstrip antenna using genetic algorithm. IEEE Transactions on Antennas and Propagation, 2005, 53, 1939-1945.	5.1	115
8	Fault Diagnosis for Electrical Systems and Power Networks: A Review. IEEE Sensors Journal, 2021, 21, 888-906.	4.7	110
9	Feasibility of spread spectrum sensors for location of arcs on live wires. IEEE Sensors Journal, 2005, 5, 1445-1450.	4.7	96
10	Stochastic FDTD for Analysis of Statistical Variation in Electromagnetic Fields. IEEE Transactions on Antennas and Propagation, 2012, 60, 3343-3350.	5.1	88
11	Computations of SAR distributions for two anatomically based models of the human head using CAD files of commercial telephones and the parallelized FDTD code. IEEE Transactions on Antennas and Propagation, 1998, 46, 829-833.	5.1	86
12	Challenges with Optically Transparent Patch Antennas. IEEE Antennas and Propagation Magazine, 2012, 54, 10-16.	1.4	83
13	Noise-Domain Reflectometry for Locating Wiring Faults. IEEE Transactions on Electromagnetic Compatibility, 2005, 47, 97-104.	2.2	68
14	Improvements to the finite-difference time-domain method for calculating the radar cross section of a perfectly conducting target. IEEE Transactions on Microwave Theory and Techniques, 1990, 38, 919-927.	4.6	65
15	Application of Phase Detection Frequency Domain Reflectometry for Locating Faults in an F-18 Flight Control Harness. IEEE Transactions on Electromagnetic Compatibility, 2005, 47, 327-334.	2.2	65
16	Low-Power STDR CMOS Sensor for Locating Faults in Aging Aircraft Wiring. IEEE Sensors Journal, 2007, 7, 43-50.	4.7	65
17	Noncontact Probes for Wire FaultLocation With Reflectometry. IEEE Sensors Journal, 2006, 6, 1716-1721.	4.7	56
18	A comparative study on two types of transparent patch antennas. , 2011, , .		54

#	Article	IF	Citations
19	A 3-D Stochastic FDTD Model of Electromagnetic Wave Propagation in Magnetized Ionosphere Plasma. IEEE Transactions on Antennas and Propagation, 2015, 63, 304-313.	5.1	53
20	Spread spectrum sensors for critical fault location on live wire networks. Structural Control and Health Monitoring, 2005, 12, 257-267.	4.0	50
21	Mixed-signal reflectometer for location of faults on aging wiring. IEEE Sensors Journal, 2005, 5, 1479-1482.	4.7	48
22	Multicarrier reflectometry. IEEE Sensors Journal, 2006, 6, 812-818.	4.7	48
23	Power deposition in the head and neck of an anatomically based human body model for plane wave exposures. Physics in Medicine and Biology, 1998, 43, 2361-2378.	3.0	46
24	A study on the efficiency of transparent patch antennas designed from conductive oxide films. , 2011, , .		42
25	Basic Introduction to Bioelectromagnetics. , 0, , .		42
26	Why the DFT is faster than the FFT for FDTD time-to-frequency domain conversions. , 1995, 5, 326-328.		41
27	Faster than Fourier: ultra-efficient time-to-frequency-domain conversions for FDTD simulations. IEEE Antennas and Propagation Magazine, 2000, 42, 24-34.	1.4	41
28	Broadband and Multiband Antenna Design Using the Genetic Algorithm to Create Amorphous Shapes Using Ellipses. IEEE Transactions on Antennas and Propagation, 2006, 54, 2776-2782.	5.1	40
29	The use of the frequency-dependent finite-difference time-domain method for induced current and SAR calculations for a heterogeneous model of the human body. IEEE Transactions on Electromagnetic Compatibility, 1994, 36, 128-133.	2.2	39
30	Feasibility of Reflectometry for Nondestructive Evaluation of Prestressed Concrete Anchors. IEEE Sensors Journal, 2009, 9, 1322-1329.	4.7	39
31	On the equivalent circuit of a receiving antenna. IEEE Antennas and Propagation Magazine, 2002, 44, 164-165.	1.4	37
32	The impedance of a short dipole antenna in a magnetized plasma via a finite difference time domain model. IEEE Transactions on Antennas and Propagation, 2005, 53, 2711-2718.	5.1	30
33	Electrical impedance myography: A critical review and outlook. Clinical Neurophysiology, 2021, 132, 338-344.	1.5	30
34	Three-dimensional electromagnetic power deposition in tumors using interstitial antenna arrays. IEEE Transactions on Biomedical Engineering, 1989, 36, 977-986.	4.2	29
35	Currents induced in the human body for exposure to ultrawideband electromagnetic pulses. IEEE Transactions on Electromagnetic Compatibility, 1997, 39, 174-180.	2.2	29
36	Capacitance and Inductance Sensor Circuits for Detecting the Lengths of Open- and Short-Circuited Wires. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 2495-2502.	4.7	27

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37	Comparison of FDTD computed and measured radiation patterns of commercial mobile telephones in presence of the human head. IEEE Transactions on Antennas and Propagation, 1998, 46, 943-944.	5.1	25
38	An Overview of Spread Spectrum Time Domain Reflectometry Responses to Photovoltaic Faults. IEEE Journal of Photovoltaics, 2020, 10, 844-851.	2.5	25
39	Optimization of a buried microstrip antenna for simultaneous communication and sensing of soil moisture. IEEE Transactions on Antennas and Propagation, 2006, 54, 797-800.	5.1	24
40	Next-Generation Healthcare: Enabling Technologies for Emerging Bioelectromagnetics Applications. IEEE Open Journal of Antennas and Propagation, 2022, 3, 363-390.	3.7	24
41	The problem and treatment of DC offsets in FDTD simulations. IEEE Transactions on Antennas and Propagation, 2000, 48, 1198-1201.	5.1	23
42	Gender Differences in Expressed Interests in Engineering-Related Fields ACT 30-Year Data Analysis Identified Trends and Suggested Avenues to Reverse Trends. Journal of Career Assessment, 2013, 21, 599-613.	2.5	21
43	Scaling the Response of Nanocrescent Antennas into the Ultraviolet. ACS Photonics, 2014, 1, 496-506.	6.6	21
44	Geometrically Stochastic FDTD Method for Uncertainty Quantification of EM Fields and SAR in Biological Tissues. IEEE Transactions on Antennas and Propagation, 2019, 67, 7466-7475.	5.1	20
45	Postprocessing for Improved Accuracy and Resolution of Spread Spectrum Time-Domain Reflectometry. , 2019, 3, 1-4.		19
46	Detection and Localization of Disconnections in PV Strings Using Spread-Spectrum Time-Domain Reflectometry. IEEE Journal of Photovoltaics, 2020, 10, 236-242.	2.5	19
47	Laboratory Project in Wireless FSK Receiver Design. IEEE Transactions on Education, 2004, 47, 18-25.	2.4	18
48	A robust detector for multicarrier spread spectrum transmission over partially jammed channels. IEEE Transactions on Signal Processing, 2005, 53, 1038-1044.	5.3	18
49	Recovering Handset Diversity and MIMO Capacity With Polarization-Agile Antennas. IEEE Transactions on Antennas and Propagation, 2007, 55, 3333-3340.	5.1	18
50	A simple convolution procedure for calculating currents induced in the human body for exposure to electromagnetic pulses. IEEE Transactions on Microwave Theory and Techniques, 1994, 42, 1172-1175.	4.6	17
51	Biomedical telemetry: Today's opportunities and challenges. , 2009, , .		17
52	Effect of Material Properties on a Subdermal UHF RFID Antenna. IEEE Journal of Radio Frequency Identification, 2017, 1, 260-266.	2.3	17
53	Advanced Forward Methods for Complex Wire Fault Modeling. IEEE Sensors Journal, 2013, 13, 1172-1179.	4.7	16
54	Spread Spectrum Time Domain Reflectometry With Lumped Elements on Asymmetric Transmission Lines. IEEE Sensors Journal, 2021, 21, 921-929.	4.7	16

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55	Finding Faults in PV Systems: Supervised and Unsupervised Dictionary Learning With SSTDR. IEEE Sensors Journal, 2021, 21, 4855-4865.	4.7	15
56	An inexpensive distance measuring system for navigation of robotic vehicles. Microwave and Optical Technology Letters, 2002, 33, 84-87.	1.4	14
57	Challenges with optically transparent patch antennas for small satellites. , 2010, , .		14
58	Signal Propagation Through Piecewise Transmission Lines for Interpretation of Reflectometry in Photovoltaic Systems. IEEE Journal of Photovoltaics, 2019, 9, 506-512.	2.5	14
59	Basic Introduction to Bioelectromagnetics. , 0, , .		14
60	Spread Spectrum Time Domain Reflectometry for Complex Impedances: Application to PV Arrays. , 2018, , .		13
61	Filterbank Multicarrier Reflectometry for Cognitive Live Wire Testing. IEEE Sensors Journal, 2009, 9, 1831-1837.	4.7	12
62	A SSTDR Methodology, Implementations, and Challenges. Sensors, 2021, 21, 5268.	3.8	12
63	Evaluation and optimization of the electromagnetic performance of interstitial antennas for hyperthermia. International Journal of Radiation Oncology Biology Physics, 1990, 18, 895-902.	0.8	11
64	Validation of the finite-difference time-domain method for near-field bioelectromagnetic simulations. Microwave and Optical Technology Letters, 1997, 16, 341-345.	1.4	11
65	Lecture-Free Engineering Education. IEEE Antennas and Propagation Magazine, 2011, 53, 176-179.	1.4	11
66	A Layered Pork Model for Subdermal Antenna Tests at 433 MHz. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2019, 3, 171-176.	3.4	11
67	Measurement of Capacitance Using Spread Spectrum Time Domain Reflectometry (SSTDR) and Dictionary Matching. IEEE Sensors Journal, 2020, 20, 10102-10109.	4.7	11
68	Detection and Localization of Damaged Photovoltaic Cells and Modules Using Spread Spectrum Time Domain Reflectometry. IEEE Journal of Photovoltaics, 2021, 11, 195-201.	2.5	11
69	Measured Multi-User MIMO Capacity in Aircraft. IEEE Antennas and Propagation Magazine, 2010, 52, 179-184.	1.4	10
70	Biocompatible, implantable UHF RFID antenna made from conductive ink. , 2016, , .		10
71	An implantable antenna for communication with implantable medical devices. , 2000, , .		9
72	Crossâ€borehole delineation of a conductive ore deposit in a resistive hostâ€”experimental design. Geophysics, 2001, 66, 824-835.	2.6	9

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73	Resolving A Paradox in the Teaching of Faraday's Law - [Education Column]. IEEE Antennas and Propagation Magazine, 2007, 49, 192-200.	1.4	9
74	Inexpensive fabric antenna for off-body wireless sensor communication. , 2010, , .		9
75	Outreach and Identity Development: New Perspectives on College Student Persistence. The Journal of College Student Retention: Researchory and Practice, 2014, 16, 165-185.	1.5	9
76	Effect of conductivity on subdermal antennas. Microwave and Optical Technology Letters, 2018, 60, 1154-1160.	1.4	9
77	Biostable conductive nanocomposite for implantable subdermal antenna. APL Materials, 2020, 8, .	5.1	9
78	Intermittent Fault Location on Live Electrical Wiring Systems. SAE International Journal of Aerospace, 0, 1, 1101-1106.	4.0	8
79	Calculating Grounding-Electrode Impedance Using Fall-of-Potential and Impedance Methods. IEEE Antennas and Propagation Magazine, 2010, 52, 151-154.	1.4	8
80	Learning to teach in the flipped classroom. , 2014, , .		8
81	Reflectometry for Structural Health Monitoring. Lecture Notes in Electrical Engineering, 2011, , 159-185.	0.4	8
82	An inexpensive distance measuring system for location of robotic vehicles. , 0, , .		7
83	Application and optimization of the perfectly matched layer boundary condition for geophysical simulations. Microwave and Optical Technology Letters, 2000, 25, 253-255.	1.4	7
84	A busy professor's guide to sanely flipping your classroom. , 2013, , .		7
85	Co-flipped teaching: Experiences sharing the flipped class. , 2015, , .		7
86	Opening up collaboration and partnership possibilities. Digital Library Perspectives, 2016, 32, 103-116.	1.1	7
87	Comparison of Passive 2-D and 3-D Ring Arrays for Medical Telemetry Focusing. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 1189-1193.	4.0	7
88	Detection and Localization of Disconnections in a Large-Scale String of Photovoltaics Using SSTDR. IEEE Journal of Photovoltaics, 2021, 11, 1097-1104.	2.5	7
89	Microstrip antennas for dielectric property measurement. , 0, , .		6
90	Prof. James R. Wait and mining production technology-an appreciation. IEEE Transactions on Antennas and Propagation, 2000, 48, 1438-1441.	5.1	6

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91	FDTD modeling and validation of EM survey tools. Microwave and Optical Technology Letters, 2002, 34, 427-429.	1.4	6
92	The MIMO transmission equation. , 2008, , .		6
93	Passive feed methods for meshed antennas. , 2010, , .		6
94	A stochastic FDTD method for statistically varying biological tissues. , 2011, , .		6
95	Fault Detection In PV Strings Using SSTDR. , 2018, , .		6
96	A Busy Professor's Guide to Sanely Flipping Your Classroom: Bringing active learning to your teaching practice. IEEE Antennas and Propagation Magazine, 2020, 62, 31-42.	1.4	6
97	Calculation of electric fields and currents induced in a millimeterâ€resolution human model at 60 Hz using the FDTD method. Bioelectromagnetics, 1998, 19, 293-299.	1.6	6
98	Teaching and learning combined (TLC). IEEE Antennas and Propagation Magazine, 2003, 45, 166-167.	1.4	5
99	A history & future of implantable antennas. , 2014, , .		5
100	Spread spectrum time-domain reflectometry for detecting and locating capacitive impedances. AIP Conference Proceedings, 2019, , .	0.4	5
101	FAST TRANSIENT SIMULATIONS FOR MULTI-SEGMENT TRANSMISSION LINES WITH A GRAPHICAL MODEL. Progress in Electromagnetics Research, 2019, 165, 67-82.	4.4	5
102	REFLECTOMETRY ON ASYMMETRIC TRANSMISSION LINE SYSTEMS. Progress in Electromagnetics Research M, 2020, 89, 121-130.	0.9	5
103	Design of an Interstitial Microwave Applicator for 3D Printing in the Body. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 260-264.	3.4	5
104	Quantifying the Window of Uncertainty for SSTDR Measurements of a Photovoltaic System. IEEE Sensors Journal, 2021, 21, 9890-9899.	4.7	5
105	Special Issue on Embedded Sensors for Fault Diagnosis in Electrical Wiring Interconnection Systems, Power Grids, Structural Cables, Pipelines, and Electrical Machines. IEEE Sensors Journal, 2021, 21, 886-887.	4.7	5
106	Hands-on electromagnetics: microstrip circuit and antenna design laboratories at USU. , 0, , .		4
107	Integration of signals/systems and electromagnetics courses through the design of a communication system for a cardiac pacemaker. IEEE Antennas and Propagation Magazine, 2005, 47, 117-119.	1.4	4
108	A Simple Radio Telescope Operating at Ku Band for Educational Purposes. IEEE Antennas and Propagation Magazine, 2006, 48, 144-152.	1.4	4

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109	Improving communication skills through project-based learning. , 2007, , .		4
110	Manufacturing considerations for implantable antennas. , 2013, , .		4
111	Applicability of SSTDR Analysis of Complex Loads. , 2019, , .		4
112	Spread Spectrum Time Domain Reflectometry and Steepest Descent Inversion Spread Spectrum Time Domain Reflectometry and Steepest Descent Inversion. Applied Computational Electromagnetics Society Journal, 2021, 36, 190-198.	0.4	4
113	Spread Spectrum Techniques for Measurement of Dielectric Aging on Low Voltage Cables for Nuclear Power Plants. IEEE Transactions on Dielectrics and Electrical Insulation, 2021, 28, 1028-1033.	2.9	4
114	Anomaly Detection of Disconnects Using SSTDR and Variational Autoencoders. IEEE Sensors Journal, 2022, 22, 3484-3492.	4.7	4
115	A memory efficient method of calculating specific absorption rate in CW FDTD simulations. IEEE Transactions on Biomedical Engineering, 1996, 43, 558-560.	4.2	3
116	Applications of microsystems and signal processing for wiring integrity monitoring. , 0, , .		3
117	Recent Advances in BioMedical Telemetry. , 2007, , .		3
118	Measurement and modeling of multiuser multiantenna system in aircraft in the presence of electromagnetic noise and interference. Microwave and Optical Technology Letters, 2011, 53, 1137-1144.	1.4	3
119	Women in engineering: Statistical analysis of ACT data and proposed procedure to reverse trend. , 2011, , .		3
120	Analysis of electromagnetic field variability in magnetized ionosphere plasma using the stochastic FDTD method. , 2014, , .		3
121	A Ka-band (26 GHz) circularly polarized 2Ã—2 microstrip patch sub-array with compact feed. , 2017, , .		3
122	Field Focusing with Novel Implantable Lens Designs using 3D Printing. , 2018, , .		3
123	A Biological Testbed for Implanted Antennas Using Layered Porcine Tissue. , 2018, , .		3
124	Spread Spectrum Time Domain Reflectometry (SSTDR) and Dictionary Matching to Measure Capacitance for PV cells. , 2019, , .		3
125	How to Be a Great Advocate for Women in Engineering [Women in Engineering]. IEEE Antennas and Propagation Magazine, 2020, 62, 98-103.	1.4	3
126	A Model for SSTDR Signal Propagation Through Photovoltaic Strings. IEEE Journal of Photovoltaics, 2020, 10, 1846-1852.	2.5	3

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127	Bioelectromagnetic Uncertainty Analysis Using Geometrically Stochastic FDFD Method. IEEE Transactions on Antennas and Propagation, 2021, 69, 2433-2436.	5.1	3
128	Use of PML boundary conditions for wireless telephone simulations. Microwave and Optical Technology Letters, 1997, 15, 95-98.	1.4	2
129	13 crazy, notorious things to do in an EM class. IEEE Antennas and Propagation Magazine, 2005, 47, 133-134.	1.4	2
130	System level analysis of noise and interference analysis for a MIMO system. , 2008, , .		2
131	Predicted MIMO performance in intra-vehicle channels. , 2008, , .		2
132	Enabling wireless communication in aircraft using multiple antenna system. , 2009, , .		2
133	Novel inverse methods for wire fault detection and diagnosis. , 2011, , .		2
134	Antenna optimization for vehicular environments. , 2011, , .		2
135	Gender disparity in engineering: Results and analysis from school counselors survey and national vignette. , 2012, , .		2
136	Gender disparity in engineering: Results and analysis from school counselors survey and national vignette. , 2013, , .		2
137	A comparison of solid, mesh, and segmented broad dipoles in biological environments. , 2017, , .		2
138	A Comparison of Solid, Mesh, and Segmented Strip Dipoles in a Subdermal Environment. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2018, 2, 218-225.	3.4	2
139	Design of an Interstitial Microwave Applicator for 3D Printing Antennas in the Body. , 2019, , .		2
140	Signals Passing Through Asymmetric Faults in Transmission Lines. IEEE Sensors Journal, 2021, 21, 16134-16140.	4.7	2
141	Thermally tunable hydrogel crosslinking mediated by temperature sensitive liposome. Biomedical Materials (Bristol), 2021, 16, 065026.	3.3	2
142	Estimating the Variance of SAR in a 3D Human Head Model Using Stochastic FDTD. , 2020, , .		2
143	Bottlenecks and Muddiest Points in a Freshman Circuits Course. , 0, , .		2
144	Quantifying the Environmental Sensitivity of SSTDR Signals for Monitoring PV Strings. IEEE Journal of Photovoltaics, 2022, 12, 381-387.	2.5	2

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145	Towards a Spread Spectrum VNA. , 2021, , .		2
146	Integrated System Level Design In Electrical Engineering. , 0, , .		2
147	Optimization and design of conductivity profiles for the PML boundary condition and its application to bioelectromagnetic problems. , 0, , .		1
148	Take a stand: speaking about RF safety [Education Column]. IEEE Antennas and Propagation Magazine, 2004, 46, 146-150.	1.4	1
149	Integrated dual band GSM microstrip monopole using GA and FDTD. , 0, , .		1
150	MIMO capacity dependence on realistic crossâ€polarization and branch power ratios. Microwave and Optical Technology Letters, 2008, 50, 1384-1388.	1.4	1
151	Work in progress - outreach and retention in the University of Utah Engineering programs. , 2009, , .		1
152	Ripple analysis: Identify and quantify reflective interference through ISI decomposition. , 2016, , .		1
153	Statistical variation of wire parameters within complex aerospace networks. Microwave and Optical Technology Letters, 2016, 58, 2082-2084.	1.4	1
154	An implantable antenna designed for ease of manufacturing. Microwave and Optical Technology Letters, 2016, 58, 619-623.	1.4	1
155	Ham Radio and the Pony Express: Providing Communication in Remote Areas. IEEE Antennas and Propagation Magazine, 2019, 61, 12-19.	1.4	1
156	Entrepreneurship: Getting Your Research Off the Bench and Out Into the Real World [Young Professionals]. IEEE Antennas and Propagation Magazine, 2019, 61, 139-142.	1.4	1
157	Field Focusing for Implanted Medical Devices. IEEE Journal of Electromagnetics, RF and Microwaves in Medicine and Biology, 2020, 4, 273-278.	3.4	1
158	Adaptation of a Microwave Ablation System for Wireless Medical Applications. , 2020, , .		1
159	Should SAR Guidelines Include Variability?. , 2021, , .		1
160	Miniaturization of Implantable Antenna and Discussion of Concentration of Fields. , 2021, , .		1
161	University of Utah Hybrid-Flexible Education. , 2021, , .		1
162	Lab Report Writing (And Teaching!) Made Easy. , 0, , .		1

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163	Lessons Learned Developing an Engaging Engineering Summer Camp. , 0, , .		1
164	Making a world of difference recruitment of undergraduate students at USU. , 0, , .		0
165	Education column. IEEE Antennas and Propagation Magazine, 2005, 47, 116-116.	1.4	0
166	What is the difference between a mountain goat and a vector?. IEEE Antennas and Propagation Magazine, 2005, 47, 167-168.	1.4	0
167	Templates for teaching. IEEE Antennas and Propagation Magazine, 2005, 47, 111-111.	1.4	0
168	Trepidation-free teamwork teaching. IEEE Antennas and Propagation Magazine, 2005, 47, 161-163.	1.4	0
169	IEEE Antennas and Propagation Society Undergraduate/Graduate Research Awards for 2006-7. IEEE Antennas and Propagation Magazine, 2006, 48, 152-152.	1.4	0
170	Education column - Spring 2006 IEEE AP-S graduate and undergraduate research award recipients. IEEE Antennas and Propagation Magazine, 2006, 48, 140-141.	1.4	0
171	Un-Dilberting the Engineer. IEEE Antennas and Propagation Magazine, 2006, 48, 139-140.	1.4	0
172	What is the IEEE AP-S Education Committee Doing for You? [Education Column]. IEEE Antennas and Propagation Magazine, 2007, 49, 172-173.	1.4	0
173	Recovering handset MIMO capacity with polarization-agile antennas. , 2007, , .		0
174	Work in progress - Utah’s engineering initiative. , 2008, , .		0
175	3D ray-tracing for intra-vehicle environments. , 2009, , .		0
176	Dr. Furse's Lazy Professor's Guide to Teaching. IEEE Antennas and Propagation Magazine, 2009, 51, 174-175.	1.4	0
177	Cynthia Furse to Receive the Hewlett-Packard Harriett B. Rigas Award [Report of Awards and Fellow Committee]. IEEE Antennas and Propagation Magazine, 2009, 51, 170-170.	1.4	0
178	Measurement and modeling of interference for multiple antenna system. Microwave and Optical Technology Letters, 2010, 52, 2031-2037.	1.4	0
179	Measurement and modeling of noise and interference in aircraft system. , 2010, , .		0
180	2.5 GHz microwave thermal ablation for performing thermosensitive polymer-chemotherapy for cancer. , 2010, , .		0

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181	Leaky fields from damaged shields. , 2011, , .		0
182	Measurement and Modeling of Multiantenna Systems in Small Aircraft. Journal of Aerospace Computing, Information, and Communication, 2011, 8, 170-182.	0.8	0
183	Scaling the response of nanocrescent antennas into the ultraviolet. , 2014, , .		0
184	A tutorial on Stochastic FDTD. , 2014, , .		0
185	Connector impedance and frequency modes in aerospace wiring systems. Microwave and Optical Technology Letters, 2017, 59, 89-93.	1.4	0
186	Bioelectromagnetic Dosimetry: Simulating Electromagnetic Fields in the Human Body. , 2018, , 351-368.		0
187	Geometrically Stochastic Finite Difference Time Domain Method. , 2019, , .		0
188	Measurements on a Thermally-Crosslinked Biopolymer for Future Implantable Antennas. , 2021, , .		0
189	Electromagnetics Education: Past, Present, and Future Directions. , 2018, , 655-675.		0
190	Board 45: Teach-Flipped: A Faculty Development MOOC on How to Teach Flipped. , 0, , .		0
191	Gender Differences In Expressed And Measured Interests In Engineering Related Fields Over A 30 Year Span. , 0, , .		0
192	Challenges In Curriculum Adaptation Across Institutions Of Higher Education: International And National Student Transfer. , 0, , .		0
193	University Partnership with High School Teachers to Increase Student Awareness of Engineering. , 0, , .		0
194	Student-centered and Teacher-friendly Formative Assessment in Engineering. , 0, , .		0