

# Richard R A Syms

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

250  
citations

1163117

8  
h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three-frequency parametric amplification in magneto-inductive ring resonators. <i>Metamaterials</i> , 2008, 2, 122-134.	2.2	49
2	Flexible magnetoinductive ring MRI detector: Design for invariant nearest-neighbour coupling. <i>Metamaterials</i> , 2010, 4, 1-14.	2.2	32
3	Advances in microfabricated mass spectrometers. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 427-429.	3.7	30
4	Higher order interactions in magneto-inductive waveguides. <i>Metamaterials</i> , 2007, 1, 44-51.	2.2	28
5	Post processing of microstructures by PDMS spray deposition. <i>Sensors and Actuators A: Physical</i> , 2009, 155, 253-262.	4.1	28
6	Magneto-Inductive Catheter Receiver for Magnetic Resonance Imaging. <i>IEEE Transactions on Biomedical Engineering</i> , 2013, 60, 2421-2431.	4.2	18
7	Thin-Film Detector System for Internal Magnetic Resonance Imaging. <i>Sensors and Actuators A: Physical</i> , 2010, 163, 15-24.	4.1	9
8	Near-field image transfer by magneto-inductive arrays: A modal perspective. <i>Metamaterials</i> , 2011, 5, 8-25.	2.2	8
9	Improved optical imaging of high aspect ratio nanostructures using dark-field microscopy. <i>Nanotechnology</i> , 2019, 30, 285301.	2.6	6
10	Mechanical Synchronization of MEMS Electrostatically Driven Coupled Beam Filters. <i>Micromachines</i> , 2021, 12, 1191.	2.9	6
11	Magneto-Inductive HF RFID System. <i>IEEE Journal of Radio Frequency Identification</i> , 2021, 5, 148-153.	2.3	4
12	Shock-free ion transmission in a skimmer-based MEMS mass spectrometer vacuum interface. <i>Journal of Micromechanics and Microengineering</i> , 2021, 31, 045010.	2.6	4
13	High-Performance Magnetoinductive Directional Filters. <i>Electronics (Switzerland)</i> , 2022, 11, 845.	3.1	4
14	A dynamic competition model of regime change. <i>Journal of the Operational Research Society</i> , 2015, 66, 1939-1947.	3.4	3
15	Supersonic jet interactions with a micro-engineered skimmer. <i>Journal of Micromechanics and Microengineering</i> , 2018, 28, 085017.	2.6	3
16	Optical imaging and image analysis for high aspect ratio NEMS. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 015003.	2.6	3
17	&lt;p&gt;In Vitro Intraductal MRI and T2 Mapping of Cholangiocarcinoma Using Catheter Coils&lt;/p&gt;. <i>Hepatic Medicine: Evidence and Research</i> , 2020, Volume 12, 107-114.	2.5	3
18	&lt;p&gt;Improving the Detection of Cholangiocarcinoma: In vitro MRI-Based Study Using Local Coils and T2 Mapping&lt;/p&gt;. <i>Hepatic Medicine: Evidence and Research</i> , 2020, Volume 12, 29-39.	2.5	3

#	ARTICLE	IF	CITATIONS
19	Power waves and scattering parameters in magneto-inductive systems. AIP Advances, 2021, 11, .	1.3	3
20	HF RFID Tag Location Using Magneto-Inductive Waves. IEEE Journal of Radio Frequency Identification, 2022, 6, 347-354.	2.3	3
21	Magneto-inductive phase-shifters and interferometers. Metamaterials, 2011, 5, 155-161.	2.2	2
22	Surgical wound monitoring by MRI with a metamaterial-based implanted local coil. EPJ Applied Metamaterials, 2018, 5, 5.	1.5	1
23	Buckling Electrothermal NEMS Actuators: Analytic Design for Very Slender Beams. Micro, 2022, 2, 54-67.	2.0	0