Yasuhiko Terada

List of Publications by Year
in descending order

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		623734	552781
32	703	14	26
papers	citations	h-index	g-index

32	32	32	1037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-space imaging of transient carrier dynamics by nanoscale pumpâ€“probe microscopy. Nature Photonics, 2010, 4, 869-874.	31.4	196
2	Development of a magnetic resonance microscope using a high Tc bulk superconducting magnet. Applied Physics Letters, 2011, 98, .	3.3	82
3	Skeletal age assessment in children using an open compact MRI system. Magnetic Resonance in Medicine, 2013, 69, 1697-1702.	3.0	55
4	Development of an outdoor MRI system for measuring flow in a living tree. Journal of Magnetic Resonance, 2016, 265, 129-138.	2.1	40
5	Diffusion-weighting Caused by Spoiler Gradients in the Fast Imaging with Steady-state Precession Sequence May Lead to Inaccurate T₂ Measurements in MR Fingerprinting. Magnetic Resonance in Medical Sciences, 2019, 18, 96-104.	2.0	39
6	Optical Doping: Active Control of Metalâ^'Insulator Transition in Nanowire. Nano Letters, 2008, 8, 3577-3581.	9.1	37
7	Development of a small car-mounted magnetic resonance imaging system for human elbows using a 0.2â€T permanent magnet. Journal of Magnetic Resonance, 2019, 304, 1-6.	2.1	35
8	Laser-combined scanning tunnelling microscopy for probing ultrafast transient dynamics. Journal of Physics Condensed Matter, 2010, 22, 264008.	1.8	32
9	Analysis of Rhizome Development inOryza longistaminata, a Wild Rice Species. Plant and Cell Physiology, 2016, 57, 2213-2220.	3.1	26
10	Toward understanding the anomalous Li diffusion in inorganic solid electrolytes by studying a single-crystal garnet of LLZOâ€“Ta by pulsed-gradient spin-echo nuclear magnetic resonance spectroscopy. Journal of Chemical Physics, 2019, 150, 194502.	3.0	23
11	Relationship between Li⁺ diffusion and ion conduction for single-crystal and powder garnet-type electrolytes studied by ⁷Li PGSE NMR spectroscopy. Physical Chemistry Chemical Physics, 2019, 21, 23589-23597.	2.8	21
12	MoirÃ© image patterns on double-walled carbon nanotubes observed by scanning tunneling microscopy. Physical Review B, 2009, 79, .	3.2	19
13	Advanced Imaging Techniques of the Wrist. American Journal of Roentgenology, 2017, 209, 497-510.	2.2	19
14	Improved Reliability in Skeletal Age Assessment using a Pediatric Hand MR Scanner with a 0.3T Permanent Magnet. Magnetic Resonance in Medical Sciences, 2014, 13, 215-219.	2.0	17
15	Visualization and Quantification of Vascular Structure of Fruit Using Magnetic Resonance Microimaging. Applied Magnetic Resonance, 2014, 45, 517-525.	1.2	11
16	Coupled circuit numerical analysis of eddy currents in an open MRI system. Journal of Magnetic Resonance, 2014, 245, 1-11.	2.1	10
17	Acceleration of skeletal age MR examination using compressed sensing. Journal of Magnetic Resonance Imaging, 2016, 44, 204-211.	3.4	9
18	Formation of dihydride chains on H-terminatedSi(100)â^'2Ã—1surfaces: Scanning tunneling microscopy and first-principles calculations. Physical Review B, 2006, 74, .	3.2	7

#	Article	IF	Citations
19	Laser-Combined Scanning Tunneling Microscopy on the Carrier Dynamics in Low-Temperature-Grown GaAs/AlGaAs/GaAs. Advances in Optical Technologies, 2011, 2011, 1-9.	0.8	6
20	Dynamics of xylem and phloem sap flow in an outdoor zelkova tree visualized by magnetic resonance imaging. Tree Physiology, 2020, 40, 290-304.	3.1	5
21	Oval gradient coils for an open magnetic resonance imaging system with a vertical magnetic field. Journal of Magnetic Resonance, 2017, 278, 51-59.	2.1	4
22	Development of a method for the Bloch image simulation of biological tissues. Magnetic Resonance Imaging, 2020, 74, 250-257.	1.8	3
23	New Cluster Analysis Method for Quantitative Dynamic Contrastâ€Enhanced <scp>MRI</scp> Assessing Tumor Heterogeneity Induced by a Tumorâ€Microenvironmental Ameliorator (<scp>E7130</scp>) Treatment to a Breast Cancer Mouse Model. Journal of Magnetic Resonance Imaging, 2022, 56, 1820-1831.	3.4	3
24	Development of Digital MRI Consoles Using General-Purpose Digital Instruments and Microcontroller Boards. Applied Magnetic Resonance, 2016, 47, 847-858.	1.2	2
25	Fundamentals of Compressed Sensing for MR Imaging. Japanese Journal of Magnetic Resonance in Medicine, 2018, 38, 61-75.	0.0	1
26	Development of an Add-on ²³Na-MRI Radiofrequency Platform for a ¹H-MRI System Using a Crossband Repeater: Proof-of-concept. Magnetic Resonance in Medical Sciences, 2021, , .	2.0	1
27	How to realize ultimate spatial and temporal resolutions by laser-combined scanning tunneling microscopy?. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
28	A New Method for Fabricating Gradient Coils using Printed Circuit Boards (2): Performance Evaluation and Application [Presidential Award Proceedings]. Japanese Journal of Magnetic Resonance in Medicine, 2019, 39, 67.	0.0	0
29	Bloch Simulation of a Three-point Dixon Experiment Using a Four-dimensional Numerical Phantom. Magnetic Resonance in Medical Sciences, 2021, , .	2.0	0
30	Implementation of the QRAPMASTER data analysis using dictionary matching and quantitative evaluation of the magnetization transfer effect. Magnetic Resonance Imaging, 2022, 90, 26-36.	1.8	0
31	Development of a Car-mounted Mobile MR Imaging System for Diagnosis of Sports-related Wrist Injury. Magnetic Resonance in Medical Sciences, 2022, , .	2.0	0
32	Distortion Correction of Diffusion-Weighted Image by FSL Learning Model Using 3D U-net [Presidential Award Proceedings]. Japanese Journal of Magnetic Resonance in Medicine, 2022, 42, 62-64.	0.0	0