

# Riccardo Umberto Valente

## List of Publications by Year in descending order

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23  
papers

1,406  
citations

933447

10  
h-index

642732

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g-index

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23  
docs citations

23  
times ranked

1245  
citing authors

#	ARTICLE	IF	CITATIONS
1	A European Collaboration to Investigate Superconducting Magnets for Next Generation Heavy Ion Therapy. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-7.	1.7	15
2	Mechanical Design of FalconD, a Nb <sub>3</sub> Sn Cos $\theta$ Short Model Dipole for the FCC. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
3	Magnetic Measurements Results and Analysis of the First Batches of Superferric Magnets for the HL-LHC High Order Field Correction. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	6
4	The HL-LHC High Order Correctors Series Production and Powering Tests Status. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	5
5	Update on the Electromagnetic Design of the Nb <sub>3</sub> Sn Cos-Theta Dipole Model for FCC-hh. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
6	Quench Localization in the High Order Corrector Magnets Using the Harmonic Field Method. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	3
7	Electrical Quality Assurance for the NbTi Coils of the HL-LHC High Order Corrector Magnets. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	4
8	Preliminary Study of 4 T Superconducting Dipole for a Light Rotating Gantry for Ion-Therapy. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-6.	1.7	10
9	Study of Superconducting Magnetization Effects and 3D Electromagnetic Analysis of the Nb <sub>3</sub> Sn cos $\theta$ Short Model for FCC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	9
10	Preliminary Design of the Nb <sub>3</sub> Sn $\cos\theta$ Short Model for the FCC. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	7
11	Optimization of the High Order Correctors for HL-LHC Toward the Series Production. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	9
12	Completion of the Test Phase for the Hilumi LHC Skew Quadrupole Corrector Magnet. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	10
13	Electromagnetic and Mechanical Study for the Nb <sub>3</sub> Sn Cos-Theta Dipole Model for the FCC. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	6
14	Fabrication and Results of the First MgB <sub>2</sub> Round Coil Superferric Magnet at LASA. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	5
15	Construction and Power Test of the Superferric Skew Quadrupole for HL-LHC. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	8
16	Construction and Cold Test of the Superferric Dodecapole High Order Corrector for the LHC High Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	15
17	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
18	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108

#	ARTICLE	IF	CITATIONS
19	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
20	Activity on the Sextupole Round Coil Superferric Magnet Prototype at LASA. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	7
21	Baseline Design of a 16 T $\cos \theta$ Bending Dipole for the Future Circular Collider. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	20
22	Construction and Cold Test of the Superferric Decapole for the LHC Luminosity Upgrade. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	14
23	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346