

# Federico Corni

## List of Publications by Year in descending order

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34  
papers

735  
citations

567281

15  
h-index

526287

27  
g-index

36  
all docs

36  
docs citations

36  
times ranked

333  
citing authors

#	ARTICLE	IF	CITATIONS
1	Young Children's Ideas about Heat Transfer Phenomena. <i>Education Sciences</i> , 2022, 12, 263.	2.6	3
2	Entropy and the Experience of Heat. <i>Entropy</i> , 2022, 24, 646.	2.2	4
3	Training Prospective Primary and Kindergarten Teachers on Electric Circuits Using Conceptual Metaphors. <i>Education Sciences</i> , 2022, 12, 457.	2.6	3
4	Max's Worlds: An Innovative Project for K-6 Science Education. <i>Challenges in Physics Education</i> , 2021, , 237-249.	0.8	1
5	Primary Physical Science for Student Teachers at Kindergarten and Primary School Levels: Part II – Implementation and Evaluation of a Course. <i>Interchange</i> , 2021, 52, 203-236.	1.8	8
6	Spheres rolling on an inclined track. <i>Physics Education</i> , 2021, 56, 055006.	0.5	0
7	Embodied Simulations of Forces of Nature and the Role of Energy in Physical Systems. <i>Education Sciences</i> , 2021, 11, 759.	2.6	6
8	Narrativity in Complex Systems. <i>Contributions From Science Education Research</i> , 2021, , 31-50.	0.5	3
9	Primary Physical Science for Student Teachers at Kindergarten and Primary School Levels: Part I – Foundations of an Imaginative Approach to Physical Science. <i>Interchange</i> , 2020, 51, 315-343.	1.8	14
10	Visual and gestural metaphors for introducing energy to student teachers of primary school and kindergarten levels. <i>Journal of Physics: Conference Series</i> , 2019, 1287, 012043.	0.4	9
11	The Role of Playing in the Representation of the Concept of Energy: A Lab Experience for Future Primary School Teachers. , 2019, , 125-137.		2
12	An industrial educational laboratory at Ducati Foundation: narrative approaches to mechanics based upon continuum physics. <i>International Journal of Science Education</i> , 2018, 40, 243-267.	1.9	10
13	A didactic proposal about Rutherford backscattering spectrometry with theoretic, experimental, simulation and application activities. <i>European Journal of Physics</i> , 2018, 39, 015501.	0.6	4
14	Dynamic Modelling with "MLE-Energy Dynamic" for Primary School. <i>Springer Proceedings in Physics</i> , 2014, , 425-429.	0.2	0
15	Lens studies without the screen. <i>Physics Education</i> , 2010, 45, 21-22.	0.5	5
16	A proposal of VnR-based dynamic modelling activities to introduce students to model-centred learning. <i>Physics Education</i> , 2009, 44, 618-623.	0.5	1
17	The Gibbs phase rule: an experimental path for its recognition and application. <i>European Journal of Physics</i> , 2006, 27, 793-804.	0.6	1
18	Water tank experiment clears up some refraction misconceptions. <i>Physics Education</i> , 2006, 41, 103-104.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Porosity in low dielectric constant SiOCH films depth profiled by positron annihilation spectroscopy. Journal of Applied Physics, 2004, 95, 2348-2354.	2.5	45
20	Copper-titanium thin film interaction. Microelectronic Engineering, 2004, 76, 153-159.	2.4	26
21	Ultradense gas bubbles in hydrogen- or helium-implanted (or coimplanted) silicon. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 71, 196-202.	3.5	21
22	Hydrogen and helium bubbles in silicon. Materials Science and Engineering Reports, 2000, 27, 1-52.	31.8	131
23	Formation of vacancy clusters and cavities in He-implanted silicon studied by slow-positron annihilation spectroscopy. Physical Review B, 2000, 61, 10154-10166.	3.2	68
24	Thermal desorption spectra from cavities in helium-implanted silicon. Physical Review B, 2000, 61, 10183-10193.	3.2	20
25	He-implantation induced defects in Si studied by slow positron annihilation spectroscopy. Journal of Applied Physics, 1999, 85, 2390-2397.	2.5	32
26	Helium-implanted silicon: A study of bubble precursors. Journal of Applied Physics, 1999, 85, 1401-1408.	2.5	47
27	High-dose helium-implanted single-crystal silicon: Annealing behavior. Journal of Applied Physics, 1998, 84, 4802-4808.	2.5	30
28	Teaching mechanical oscillations using an integrated curriculum. International Journal of Science Education, 1997, 19, 981-995.	1.9	1
29	Helium in silicon: Thermal-desorption investigation of bubble precursors. Physical Review B, 1997, 56, 7331-7338.	3.2	44
30	Hydrogen precipitation in highly oversaturated single-crystalline silicon. Physica Status Solidi A, 1995, 150, 539-586.	1.7	27
31	Dilute NiPt alloy interactions with Si. Applied Surface Science, 1993, 73, 197-202.	6.1	26
32	Hydrogen-related complexes as the stressing species in high-fluence, hydrogen-implanted, single-crystal silicon. Physical Review B, 1992, 46, 2061-2070.	3.2	79
33	Solid-phase epitaxial growth of Ge-Si alloys made by ion implantation. Journal of Applied Physics, 1992, 71, 2644-2649.	2.5	38
34	Atomic Local Coordinations and Multivalent States in $\text{YBa}_2\text{Cu}_3\text{O}_{9-\delta}$ Superconductors. Europhysics Letters, 1987, 4, 851-856.	2.0	17