

# Christophe Marcenat

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Superconducting Polycrystalline Silicon Layer Obtained by Boron Implantation and Nanosecond Laser Annealing. ECS Journal of Solid State Science and Technology, 2021, 10, 014004.	1.8	7
2	Normal state specific heat in the cuprate superconductors $\langle \text{math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{La} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Bi} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{HgBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{YBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{y} \langle \text{mml:m} \rangle \text{Physical Review B, 2021, 103, .}$	3.2	26
3	High density of states in the pseudogap phase of the cuprate superconductor $\langle \text{math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{HgBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{YBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{y} \langle \text{mml:m} \rangle \text{Physical Review B, 2020, 102, .}$	3.2	26
4	Thermodynamic signatures of quantum criticality in cuprate superconductors. Nature, 2019, 567, 218-222.	27.8	120
5	Unusual Interplay between Superconductivity and Field-Induced Charge Order in $\langle \text{math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{YBa} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle 2 \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{y} \langle \text{mml:m} \rangle \text{Physical Review Letters, 2018, 121, 167002.}$	7.5	112
6	Calorimetric determination of the magnetic phase diagram of underdoped ortho II YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.54</sub> single crystals. Nature Communications, 2015, 6, 7927.	12.8	27
7	Superconducting properties of laser annealed implanted Si:B epilayers. Superconductor Science and Technology, 2013, 26, 045009.	3.5	13
8	Thickness dependence of the superconducting critical temperature in heavily doped Si:B epilayers. Physical Review B, 2013, 88, .	3.2	16
9	Low-temperature transition to a superconducting phase in boron-doped silicon films grown on (001)-oriented silicon wafers. Physical Review B, 2010, 81, .	3.2	34
10	Superconducting group-IV semiconductors. Nature Materials, 2009, 8, 375-382.	27.5	161
11	Superconductivity in doped cubic silicon. Nature, 2006, 444, 465-468.	27.8	238