Silvia Haindl

List of Publications by Year
in descending order

23	295	933447	888059
papers	citations	10 h-index	17 g-index

24	24	24	315
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Epitaxial Growth of Superconducting Ba(Fe_{1-x}Co_x)₂As₂Thin Films on Technical Ion Beam Assisted Deposition MgO Substrates. Applied Physics Express, 2011, 4, 013103.	2.4	79
2	In-situ growth of superconducting SmO1â^'xFxFeAs thin films by pulsed laser deposition. Scientific Reports, 2016, 6, 35797.	3.3	26
3	Interface control by homoepitaxial growth in pulsed laser deposited iron chalcogenide thin films. Scientific Reports, 2015, 5, 16334.	3.3	23
4	$J_{m c}$ Scaling and Anisotropies in Co-Doped Ba-122 Thin Films. IEEE Transactions on Applied Superconductivity, 2011, 21, 2887-2890.	1.7	22
5	Thickness dependence of structural and transport properties of Co-doped BaFe2As2on Fe buffered MgO substrates. Superconductor Science and Technology, 2011, 24, 125009.	3.5	21
6	Superconductivity at 48 K of heavily hydrogen-doped SmFeAsO epitaxial films grown by topotactic chemical reaction using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ca</mml:mi><mml:msub><mml:mi mathvariant="normal">H</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2019, 3, .	2.4	19
7	Bicrystalline Grain Boundary and Hybrid SNS Junctions Based on Ba-122 Thin Films. IEEE Transactions on Applied Superconductivity, 2013, 23, 7300104-7300104.	1.7	18
8	Recent progress in pulsed laser deposition of iron based superconductors. Journal Physics D: Applied Physics, 2016, 49, 345301.	2.8	18
9	LESSONS FROM OXYPNICTIDE THIN FILMS. International Journal of Modern Physics B, 2013, 27, 1330001.	2.0	15
10	Low anisotropic upper critical fields in SmO_{1â^'x}F _x FeAs thin films with a layered hybrid structure. Superconductor Science and Technology, 2019, 32, 044003.	3.5	11
11	Iron pnictide thin films: Synthesis and physics. Physica Status Solidi (B): Basic Research, 2017, 254, 1600341.	1.5	10
12	Pulsed laser deposition of SmFeAsO1â^' on MgO(100) substrates. Applied Surface Science, 2018, 437, 418-428.	6.1	10
13	Josephson and Tunneling Junctions with Thin Films of Iron based Superconductors. Physics Procedia, 2012, 36, 82-87.	1.2	5
14	Pulsed laser deposition of Fe-oxypnictides: Co- and F-substitution. Superconductor Science and Technology, 2020, 33, 105004.	3.5	5
15	Iron-Based Superconducting Thin Films. Springer Series in Materials Science, 2021, , .	0.6	4
16	Chemical Composition Control at the Substrate Interface as the Key for FeSe Thin-Film Growth. ACS Applied Materials & Interfaces, 2021, 13, 53162-53170.	8.0	3
17	Penetration and de-pinning of vortices in sub-micrometer Ba(Fe,Co)2As2 thin film bridges. Physica C: Superconductivity and Its Applications, 2012, 479, 164-166.	1.2	2
18	Challenges for Pulsed Laser Deposition of FeSe Thin Films. Micromachines, 2021, 12, 1224.	2.9	2

#	Article	IF	Citations
19	Engineering of Fe-pnictide heterointerfaces by electrostatic principles. NPG Asia Materials, 2021, 13, .	7.9	2
20	Thin Film Studies Under Focus. Springer Series in Materials Science, 2021, , 253-379.	0.6	0
21	The Film/Substrate Interface. Springer Series in Materials Science, 2021, , 189-233.	0.6	0
22	Growth, Microstructure and Surfaces. Springer Series in Materials Science, 2021, , 149-188.	0.6	0
23	Thin Film Growth of Fe-Based Superconductors. Springer Series in Materials Science, 2021, , 27-148.	0.6	0