

# A BCS-like gap in the superconductor $\text{SmFeAsO}_{0.85}\text{F}_{0.15}$

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Normal-state transport properties of PrFeAsO $1-x$ Fy superconductor. Physica C: Superconductivity and Its Applications, 2008, 468, 2275-2278.	0.6	9
2	High-temperature superconductivity in iron-based layered iron compounds. Physics-Uspexhi, 2008, 51, 1201-1227.	0.8	217
3	Prospecting for an iron age. Nature, 2008, 453, 1000-1001.	13.7	30
4	Even Parity, Orbital Singlet, and Spin Triplet Pairing for Superconducting LaFeAsO $1-x$ Fy. Physical Review Letters, 2008, 101, 147003.	2.9	100
5	Momentum Dependence of the Superconducting Gap in NdFeAsO $1-x$ Fy Single Crystals Measured by Angle Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 147003.	2.9	239
7	Magnetism, superconductivity, and pairing symmetry in iron-based superconductors. Physical Review B, 2008, 78, .	1.1	648
8	Phonon density of states in NdFeAsO $1-x$ Fx. Physical Review B, 2008, 78, .	1.1	41
9	Phonon dynamics in Sr $0.6$ K $0.4$ Fe $2$ As $2$ and Ca $0.6$ Na $0.4$ Fe $2$ As $2$ from neutron scattering and lattice-dynamical calculations. Physical Review B, 2008, 78, .	1.1	23
10	Two superconducting gaps in LaFeAsO $1-x$ Fy by Scanning tunneling spectroscopy. Physical Review Letters, 2008, 101, 147003.	1.1	74
11	Possible evidence for d-wave order-parameter symmetry. Physical Review B, 2008, 78, .	1.1	75
12	Phonon Density of States of LaFeAsO $1-x$ Fy. Physical Review Letters, 2008, 101, 157004.	2.9	65
13	K-Doping Dependence of the Fermi Surface of the Iron-Arsenic Ba $1-x$ K $x$ FeAs $2$ Using Angle Resolved Photoemission Spectroscopy. Physical Review Letters, 2008, 101, 177005.	2.9	14
14	Observation of Fermi-surface $\epsilon$ dependent nodeless superconducting gaps in Ba $_{0.6}$ K $_{0.4}$ Fe $_{2}$ As $_{2}$ . Europhysics Letters, 2008, 83, 47001.	0.7	905
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16	Phase transitions in LaFeAsO: Structural, magnetic, elastic, and transport properties, heat capacity and M $\ddot{a}$ ssbauer spectra. Physical Review B, 2008, 78, .	1.1	284
17	Intrinsic properties of stoichiometric LaFePO. Physical Review B, 2008, 78, .	1.1	102
18	High-Field Pauli-Limiting Behavior and Strongly Enhanced Upper Critical Magnetic Fields near the Transition Temperature of an Arsenic-Deficient LaO $_{1-x}$ F $_x$ Physical Review Letters, 2008, 101, 237003.	2.9	85
19	High-temperature superconductivity in the iron pnictides. Physics Magazine, 0, 1, .	0.1	167

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21	Confined growth of superconducting F-doped SmFeAsO nanocables using ZnO nanotubes. Superconductor Science and Technology, 2008, 21, 125007.	1.8	7
22	FeAs systems: a new class of high-temperature superconductors. Physics-Uspekhi, 2008, 51, 1261-1286.	0.8	70
23	New high-temperature superconductors based on rare-earth and transition metal oxyarsenides and related phases: synthesis, properties and simulations. Physics-Uspekhi, 2008, 51, 1229-1260.	0.8	134
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25	Angular dependence of resistivity in the superconducting state of NdFeAsO <sub>0.82</sub> F <sub>0.18</sub> single crystals. Superconductor Science and Technology, 2008, 21, 105018.	1.8	36
26	Quantum oscillations in the parent magnetic phase of an iron arsenide high temperature superconductor. Journal of Physics Condensed Matter, 2008, 20, 422203.	0.7	133
27	Anisotropic superconducting properties of the aligned Sm <sub>0.95</sub> La <sub>0.05</sub> FeAsO <sub>0.85</sub> F <sub>0.15</sub> microcrystalline powder. Europhysics Letters, 2008, 84, 67014.	0.7	9
28	Theory of high-temperature superconductivity and effective gravity. Physical Review B, 2008, 78, .	1.1	6
29	Thermal properties of SmFeAsO <sub>1-x</sub> F <sub>x</sub> a probe of the interplay between electrons and phonons. Physical Review B, 2008, 78, .	1.1	102
30	Raman-scattering study of K <sub>x</sub> SmFeAsO <sub>1-x</sub> Physical Review B, 2008, 78, .	1.1	82
31	Possible pairing states of the Fe-based superconductors. Physical Review B, 2008, 78, .	1.1	93
32	Electronic structure of LaFeAsO <sub>1-x</sub> F <sub>x</sub> x-ray absorption spectroscopy. Physical Review B, 2008, 78, .	1.1	160
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34	Extended Ba <sub>1-x</sub> Fe <sub>2-x</sub> As <sub>2</sub> for the nuclear spin-lattice relaxation rate in superconducting pnictides. Physical Review B, 2008, 78, .	1.1	162
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39	Spin fluctuation dynamics and multiband superconductivity in iron pnictides. Physical Review B, 2008, 78, .	1.1	74
40	Momentum dependence of superconducting gap, strong-coupling dispersion kink, and tightly bound Cooper pairs in the high-T <sub>c</sub> (Sr,Ba) <sub>1-x</sub> (K,Na) <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> superconductors. Physical Review B, 2008, 78, .	1.1	127
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50	Theory of Raman response of a superconductor with extended s-wave symmetry: Application to the iron pnictides. Physical Review B, 2009, 79, .	1.1	38
51	Strong Coupling Theory for Superconducting Iron Pnictides. Physical Review Letters, 2009, 102, 047006.	2.9	80
52	Andreev Bound States as a Phase-Sensitive Probe of the Pairing Symmetry of the Iron Pnictide Superconductors. Physical Review Letters, 2009, 102, 157002.	2.9	50
53	Unconventional London Penetration Depth in Single-Crystal Ba <sub>1-x</sub> (K,Na) <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Superconductors. Physical Review Letters, 2009, 102, 157003.	2.9	50
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55	Optical Spectroscopy of Superconducting Ba <sub>1-x</sub> (K,Na) <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> Superconductors. Physical Review Letters, 2009, 102, 187003.	2.9	68

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57	Investigation of superconducting gap structure in $TbFeAsO_{0.9}F_{0.1}$ using point contact Andreev reflection. New Journal of Physics, 2009, 11, 025015.	1.2	33
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61	Impurity effects on the $s$ -wave state of the iron-based superconductors. Physical Review B, 2009, 79, .	1.1	142
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111	Coexistence of the spin-density wave and superconductivity in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> . Europhysics Letters, 2009, 85, 17006.	0.7	315
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