

Sergio D addato

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

1,047
citations

18
h-index

26
g-index

98
ext. papers

1,130
ext. citations

3.1
avg, IF

3.57
L-index

#	Paper	IF	Citations
93	Adhesion, mobility and aggregation of nanoclusters at surfaces: Ni and Ag on Si, HOPG and graphene. <i>SN Applied Sciences</i> , 2022 , 4, 1	1.8	0
92	Ultrafast Dynamics of Plasmon-Mediated Charge Transfer in Ag@CeO Studied by Free Electron Laser Time-Resolved X-ray Absorption Spectroscopy. <i>Nano Letters</i> , 2021 , 21, 1729-1734	11.5	5
91	ZnO Thin Films Growth Optimization for Piezoelectric Application. <i>Sensors</i> , 2021 , 21,	3.8	1
90	Surface Reactivity of Ag-Modified Ceria to Hydrogen: A Combined Experimental and Theoretical Investigation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27682-27690	9.5	1
89	Optical and electronic properties of silver nanoparticles embedded in cerium oxide. <i>Journal of Chemical Physics</i> , 2020 , 152, 114704	3.9	5
88	Ultrafast Formation of Small Polarons and the Optical Gap in CeO. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5686-5691	6.4	9
87	Highly efficient plasmon-mediated electron injection into cerium oxide from embedded silver nanoparticles. <i>Nanoscale</i> , 2019 , 11, 10282-10291	7.7	18
86	Physical Synthesis and Study of Ag@CaF ₂ Core@Shell Nanoparticles: Morphology and Tuning of Optical Properties. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1800507	1.3	2
85	Ultrafast electron-lattice thermalization in copper and other noble metal nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 084001	1.8	11
84	Low pressure bottom-up synthesis of metal@oxide and oxide nanoparticles: control of structure and functional properties. <i>Physica Scripta</i> , 2018 , 93, 033001	2.6	6
83	Scanning tunneling microscopy and photoemission studies of self-organised Ag nanostructures on the N-modified Cu(001) surface. <i>Surface Science</i> , 2018 , 677, 213-218	1.8	1
82	Role of cerium oxide in bioactive glasses during catalytic dissociation of hydrogen peroxide. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 23507-23514	3.6	2
81	In-Flight Analysis 2017 , 339-364		1
80	Contraction, cation oxidation state and size effects in cerium oxide nanoparticles. <i>Nanotechnology</i> , 2017 , 28, 495702	3.4	7
79	Structure of active cerium sites within bioactive glasses. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5086-5095	3.8	12
78	Investigation of Ni@CoO core-shell nanoparticle films synthesized by sequential layer deposition. <i>Applied Surface Science</i> , 2017 , 396, 1860-1865	6.7	4
77	Steering the magnetic properties of Ni/NiO/CoO core-shell nanoparticle films: The role of core-shell interface versus interparticle interactions. <i>Physical Review Materials</i> , 2017 , 1,	3.2	6

76	Influence of defect distribution on the reducibility of CeO _{2-x} nanoparticles. <i>Nanotechnology</i> , 2016 , 27, 425705	3.4	14
75	Reducible Oxides as Ultrathin Epitaxial Films. <i>Springer Series in Materials Science</i> , 2016 , 119-148	0.9	1
74	Evidence of catalase mimetic activity in Ce(3+)/Ce(4+) doped bioactive glasses. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 4009-19	3.4	89
73	Structure and Morphology of Silver Nanoparticles on the (111) Surface of Cerium Oxide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6024-6032	3.8	25
72	Tunability of exchange bias in Ni@NiO core-shell nanoparticles obtained by sequential layer deposition. <i>Nanotechnology</i> , 2015 , 26, 405704	3.4	20
71	Morphology, structural properties and reducibility of size-selected CeO _{2-x} nanoparticle films. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 60-7	3	11
70	Influence of size, shape and core-shell interface on surface plasmon resonance in Ag and Ag@MgO nanoparticle films deposited on Si/SiO _x . <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 404-13	3	14
69	Controlled growth of Ni/NiO core-shell nanoparticles: Structure, morphology and tuning of magnetic properties. <i>Applied Surface Science</i> , 2014 , 306, 2-6	6.7	22
68	A Brief Tutorial for the STEM-CELL Software. <i>Microscopy and Microanalysis</i> , 2014 , 20, 2134-2135	0.5	1
67	Controlled co-deposition of FePt nanoparticles embedded in MgO: a detailed investigation of structure and electronic and magnetic properties. <i>Nanotechnology</i> , 2013 , 24, 495703	3.4	11
66	Anisotropy-graded magnetic media obtained by ion irradiation of L10 FePt. <i>Acta Materialia</i> , 2013 , 61, 4840-4847	8.4	17
65	Surface X-ray diffraction analysis of Fe nanostructured films grown on c(2 × 2)-N/Cu(100). <i>Surface Science</i> , 2012 , 606, 813-819	1.8	3
64	Assembly and structure of Ni/NiO core-shell nanoparticles. <i>Applied Surface Science</i> , 2012 , 260, 13-16	6.7	14
63	Controlled AFM detachments and movement of nanoparticles: gold clusters on HOPG at different temperatures. <i>Nanotechnology</i> , 2012 , 23, 245706	3.4	7
62	Structure and stability of nickel/nickel oxide core-shell nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 175003	1.8	30
61	Assembly and Fine Analysis of Ni/MgO Core/Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 14044-14049	3.8	16
60	Morphology and magnetic properties of size-selected Ni nanoparticle films. <i>Journal of Applied Physics</i> , 2010 , 107, 104318	2.5	29
59	Growth and study of Ni nanoparticles films deposited on inert substrates. <i>Journal of Physics: Conference Series</i> , 2008 , 100, 072046	0.3	

58	Atom geometry of nanostructured Fe films grown on c(2 \times 2)-N/Cu(100) surface: An investigation by X-ray absorption spectroscopy with multishell analysis. <i>Surface Science</i> , 2007 , 601, 329-340	1.8	12
57	Self-assembly of an aromatic thiolate on Cu(100): The local adsorption site. <i>Surface Science</i> , 2005 , 598, 253-262	1.8	15
56	Molecular orientation of 2-mercaptobenzoxazole adsorbed on Cu(1 0 0) surface. <i>Surface Science</i> , 2005 , 578, 136-141	1.8	12
55	Evidence for interdot coupling in an array of micrometric Fe dots. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1373-E1375	2.8	
54	NiO and MgO ultrathin films by polarization dependent XAS. <i>Surface Science</i> , 2004 , 566-568, 84-88	1.8	20
53	X-ray absorption study at the Mg and O K edges of ultrathin MgO epilayers on Ag(001). <i>Physical Review B</i> , 2004 , 69,	3.3	74
52	O K-edge x-ray absorption study of ultrathin NiO epilayers deposited in situ on Ag(001). <i>Physical Review B</i> , 2004 , 70,	3.3	27
51	Structure properties of nanostructured Fe films grown on c(2 \times 2) N/Cu(1 0 0) self-organised surface. <i>Applied Surface Science</i> , 2003 , 212-213, 85-91	6.7	3
50	Electronic properties of CaF ₂ nanodimensional islands on Si(): An MDS and UPS study. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 193, 474-479	1.2	9
49	Surface electronic states of Yb silicide ultrathin films studied with He metastable deexcitation spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002 , 127, 109-115	1.7	
48	Growth of epitaxial Yb silicide on Si(100) studied by metastable atom deexcitation spectroscopy and photemission. <i>Physical Review B</i> , 2002 , 65,	3.3	6
47	VARIATIONS IN THE LIFETIME OF 3d HOLE STATES IN ULTRATHIN Fe FILMS GROWN ON Cu(100) DEDUCED FROM THE LMM AUGER SPECTRA OF Fe. <i>Surface Review and Letters</i> , 2002 , 09, 709-716	1.1	15
46	Structural and magnetic properties of self-assembled nanoscale Fe islands on Cu(100). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001 , 114-116, 251-256	1.7	11
45	Interface magnetometry in a (Fe ₆₇ Ni ₂₄) ₁₀ multilayer. <i>Applied Surface Science</i> , 2001 , 175-176, 281-287	6.7	1
44	Formation of CaF ₂ nanostructures on Si(001). <i>Nanotechnology</i> , 2001 , 12, 403-408	3.4	25
43	An extended X-ray absorption fine structure study of Mn ultrathin films grown on Cu(100). <i>Surface Science</i> , 2001 , 471, 203-208	1.8	13
42	Growth of Yb silicide on Si(100): structure and electronic properties as a function of annealing temperature. <i>Surface Science</i> , 2001 , 482-485, 817-822	1.8	2
41	EXAFS analysis of ultrathin Fe films grown on Ni(1 0 0). <i>Surface Science</i> , 2001 , 487, 258-266	1.8	4

40	Structural analysis of epitaxial Fe films on Ni(001). <i>Applied Surface Science</i> , 2000 , 162-163, 198-207	6.7	5
39	Magnetic profile of Ni/Fe/Ni trilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 210, 349-356	2.8	12
38	Growth of Fe ultrathin films on Ni(111): structure and electronic properties. <i>Surface Science</i> , 2000 , 454-456, 692-696	1.8	21
37	The structure of $\sqrt{3}\times\sqrt{3}$ iodine on Pd (111) surface studied by normal incidence X-ray standing wavefield absorption. <i>Chemical Physics Letters</i> , 1999 , 306, 341-344	2.5	12
36	Surface extended X-ray absorption fine structure investigation of Fe islands grown on c(2 \times 2) N/Cu(100) surface. <i>Surface Science</i> , 1999 , 442, 74-80	1.8	17
35	Charge transfer and redistribution in the formation of the K/GaP(110) interface: a photoelectron spectroscopy study. <i>Journal of Physics Condensed Matter</i> , 1998 , 10, 2861-2871	1.8	7
34	Removal of the clock reconstruction of Ni(100)-(2 \times 2) p4g-N by coadsorption of K: A spot-profile-analysis low-energy-electron-diffraction and angle-resolved ultraviolet-photoemission-spectroscopy study. <i>Physical Review B</i> , 1997 , 56, 7636-7642	3.3	6
33	Core level analysis of the KGaP(110) interface. <i>Surface Science</i> , 1997 , 377-379, 233-237	1.8	1
32	Surface phase transitions of Ge(111)c(2 \times 2) studied by electron energy loss spectroscopy. <i>Surface Science</i> , 1997 , 377-379, 534-538	1.8	5
31	Structural and magnetic properties of Ni/Fe/Ni multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 165, 216-219	2.8	8
30	A Cooper minimum photoemission study of the alloy. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 1413-1419	1.8	4
29	Coverage-dependent azimuthal alignment of SO ₂ on Ag(110). <i>Surface Science</i> , 1996 , 364, L519-L524	1.8	19
28	The localisation of 3d hole states in Fe and FeAl studied by Auger vacancy satellite spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995 , 72, 205-209	1.7	23
27	Copper L ₃ -M _{4,5} M _{4,5} Auger and Auger satellite structures in polycrystalline Cu ₅₀ Pd ₅₀ alloy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995 , 72, 217-221	1.7	2
26	An investigation of the unoccupied p-symmetry states in Ag- and Pd-containing systems via l -d(π) high resolution near-edge X-ray absorption spectroscopy. <i>Physica B: Condensed Matter</i> , 1995 , 208-209, 278-280	2.8	
25	An X-ray absorption spectroscopy study of the interface. <i>Solid State Communications</i> , 1995 , 93, 11-16	1.6	3
24	Performance of the soft x-ray double crystal monochromator on beamline 4.2 at the SRS, Daresbury Laboratory. <i>Review of Scientific Instruments</i> , 1995 , 66, 1762-1764	1.7	31
23	Charge-Transfer Satellites in K L 23 XAS Data for K/Si(111)-(2 \times 2): Evidence for Strong Ionic Bonds. <i>Europhysics Letters</i> , 1994 , 26, 85-90	1.6	10

22	An X-ray absorption fine structure study of Ge(001)(2 \times 1)-S. <i>Surface Science</i> , 1993 , 287-288, 317-320	1.8	15
21	Strong evolution of the p-projected empty density of states in Pd-Al alloys: An M4,5 x-ray-absorption-spectroscopy investigation. <i>Physical Review B</i> , 1993 , 47, 6937-6941	3.3	5
20	L-(1) AgM4,5 XAS investigation at the Ag/Si(111)2 \times 1 interface. <i>Applied Surface Science</i> , 1993 , 70-71, 456-460	6.7	2
19	Adsorbate-induced de-reconstruction in the interaction of H2S with Ge(001)2*1. <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 8441-8446	1.8	13
18	P-derived valence states at the reactive GaP(110)/Yb interface via P L2,3VV Auger line-shape spectroscopy. <i>Physical Review B</i> , 1992 , 45, 6255-6258	3.3	3
17	Synchrotron-radiation investigation of the chemical dependence of the vacancy-satellite structure of the Ni L3VV spectra in Ni silicides. <i>Physical Review B</i> , 1992 , 46, 15652-15659	3.3	5
16	Satellite Structures of the NickelL3VVAuger Spectrum in Nickel Silicides: A Synchrotron Radiation Investigation. <i>Physica Scripta</i> , 1992 , T41, 269-272	2.6	
15	PL2, 3VVAuger Spectroscopy at the GaP(110)/Yb Interface: Analysis of the Chemical Bond. <i>Physica Scripta</i> , 1992 , T41, 241-245	2.6	
14	Electron energy loss and Auger spectroscopy of the YbGaP(110) interface. <i>Applied Surface Science</i> , 1992 , 56-58, 252-258	6.7	3
13	Unoccupied 3d-derived states in Ni silicides via Ni L2.3 X-ray absorption spectroscopy. <i>Solid State Communications</i> , 1991 , 78, 641-645	1.6	3
12	Inelastic-electron-scattering investigation of clean and hydrogen-exposed InP(110) surfaces. <i>Physical Review B</i> , 1991 , 43, 9818-9822	3.3	7
11	Empty states of the Ni/Si(111)7 \times 1 interface. <i>Surface Science</i> , 1991 , 251-252, 258-261	1.8	1
10	Experimental and theoretical study of the PL2.3W Auger lineshape of GaP(110). <i>Surface Science</i> , 1991 , 251-252, 267-271	1.8	11
9	EELS cross section calculations on Si(111)2 \times 1. <i>Surface Science</i> , 1991 , 251-252, 286-290	1.8	1
8	HREELS investigation of clean and hydrogen-InP(110) surfaces. <i>Vacuum</i> , 1990 , 41, 660-662	3.7	7
7	BIS investigation of PdSi(111)7 \times 1 interface formation. <i>Vacuum</i> , 1990 , 41, 702-704	3.7	1
6	Strong chemical reactivity at the early stages of Yb overgrowth on GaP(110): A synchrotron-radiation study. <i>Physical Review B</i> , 1990 , 42, 3478-3484	3.3	18
5	Oxygen on Ni(111): A multiple-scattering analysis of the near-edge x-ray-absorption fine structure. <i>Physical Review B</i> , 1990 , 41, 7462-7466	3.3	46

4	Anisotropy of the electronic structures of the GaP(110) surface: A high-resolution electron-energy-loss spectroscopy study. <i>Physical Review B</i> , 1989 , 39, 5975-5979	3.3	14
3	Surface anisotropy of III \bar{V} compounds. <i>Surface Science</i> , 1989 , 211-212, 524-533	1.8	18
2	Calculation of surface phonon dispersion on Ni(100) and Ni(100)+c(2 \times 2) along the (010) direction by means of the matching procedure. II. <i>Journal of Physics C: Solid State Physics</i> , 1988 , 21, 2113-2136		15
1	Dispersion effects and electron energy loss of silicon surface. <i>Surface Science</i> , 1985 , 162, 175-183	1.8	8