Renato Pucci

List of Publications by Year
in descending order

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158	2,120	304602	276775
papers	citations	22 h-index	41 g-index

161	161	161	1444
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Density functional theory, chemical reactivity, and the Fukui functions. Foundations of Chemistry, 2022, 24, 59-71.	0.4	32
2	Leonardo da Vinci, scienziato. Bulletin of the Gioenia Academy of Catania, 2019, 52, FP12-FP28.	0.7	0
3	Correlations in the Superconducting Properties of Several Material Classes. , 2018, , 3-9.		0
4	From Molecules and Clusters of Atoms toÂSolid State Properties. , 2018, , 219-226.		1
5	Nonequilibrium Steady States and Electron Transport in Molecular Systems. , 2017, , 127-150.		0
6	Symmetries and Physics. , 2017, , 345-357.		0
7	Ettore Majoranaâ€™s Early Scientific Production. , 2017, , 373-389.		0
8	Role of H Distribution on Coherent Quantum Transport of Electrons in Hydrogenated Graphene. Condensed Matter, 2017, 2, 37.	0.8	4
9	Fingerprints of antiaromaticity in the negative ion (Li3Al4)â^'via anab initioquantum-chemical study of the equilibrium structure of the inhomogeneous electron liquid. Physics and Chemistry of Liquids, 2014, 52, 354-360.	0.4	2
10	Insights gained from solvable models into a variety of phase transitions, including emergent assemblies plus isoelectronic series of atomic ions. International Journal of Modern Physics B, 2014, 28, 1430019.	1.0	4
11	Structure of a low-lying isomer of BOSi2, as a free-space planar cluster, using the Hartreeâ€“Fock method plus second order perturbations. Chemical Physics Letters, 2014, 608, 269-271.	1.2	1
12	The nuclear structure and related properties of some low-lying isomers of free-space <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	0.9	6
13	NATURAL ORBITALS IN RELATION TO QUANTUM INFORMATION THEORY: FROM MODEL LIGHT ATOMS THROUGH TO EMERGENT METALLIC PROPERTIES. International Journal of Modern Physics B, 2013, 27, 1330021.	1.0	13
14	Recent progress in low-order density matrix theory of inhomogeneous electron liquids by exact solution of two- and four-electron model atoms. Physics and Chemistry of Liquids, 2013, 51, 1-9.	0.4	3
15	Inhomogeneous electron liquid in the free-space building block Li₂C₂plus its dimer and trimer. Physics and Chemistry of Liquids, 2012, 50, 46-53.	0.4	1
16	Resonant modes in strain-induced graphene superlattices. Physical Review B, 2012, 85, .	1.1	36
17	Effect of uniaxial strain on plasmon excitations in graphene. Journal of Physics: Conference Series, 2012, 377, 012083.	0.3	6
18	Ballistic transport properties across nonuniform strain barriers in graphene. High Pressure Research, 2012, 32, 18-22.	0.4	4

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19	Equation of motion of the correlated first-order density matrix for the ground-state of the Hookean atom with two electrons. Journal of Mathematical Chemistry, 2012, 50, 914-919.	0.7	2
20	Neutral and cationic free-space oxygenâ€“silicon clusters <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce=". Physics Letters, Section A:	0.9	4
21	Strain Effect on the Electronic and Plasmonic Spectra of Graphene. Carbon Nanostructures, 2012, , 165-170.	0.1	1
22	Transport properties of graphene across strain-induced nonuniform velocity profiles. Physical Review B, 2011, 84, .	1.1	80
23	Linear response correlation functions in strained graphene. Physical Review B, 2011, 84, .	1.1	45
24	Effect of uniaxial strain on the Drude weight of graphene. High Pressure Research, 2011, 31, 98-101.	0.4	9
25	Pairing symmetry of superconducting graphene. European Physical Journal B, 2010, 76, 469-473.	0.6	19
26	Strain effect on the optical conductivity of graphene. Physical Review B, 2010, 81, .	1.1	207
27	Ab Initio Prediction of Boron Compounds Arising from Borozene: Structural and Electronic Properties. Nanoscale Research Letters, 2010, 5, 158-163.	3.1	14
28	Ab initio quantum mechanics of a cluster of SiH4 and two H2 molecules, together with its dimer and trimer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 580-583.	0.9	2
29	Lack of universal conductance features in disordered graphene nanoribbons. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, NA-NA.	0.8	1
30	A multiscale study of electronic structure and quantum transport in C_{6n²}H_{6n}-based graphene quantum dots. Journal of Physics Condensed Matter, 2010, 22, 095504.	0.7	13
31	Dynamical polarization of graphene under strain. Physical Review B, 2010, 82, .	1.1	38
32	Effect of impurities in high-symmetry lattice positions on the local density of states and conductivity of graphene. Physical Review B, 2009, 80, .	1.1	27
33	High-pressure behaviour of crystalline silane compared with that for SnH4. Phase Transitions, 2009, 82, 247-250.	0.6	2
34	Quantum-chemical modelling of the structural change of water due to its interaction with nanographene. Physics and Chemistry of Liquids, 2009, 47, 599-606.	0.4	3
35	Proposed lower bound for the shear viscosity to entropy density ratio in some dense liquids. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 992-998.	0.9	7
36	Effect of uniaxial strain on the reflectivity of graphene. High Pressure Research, 2009, 29, 569-572.	0.4	15

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37	Conductance distribution in doped and defected graphene nanoribbons. Physical Review B, 2009, 80, .	1.1	37
38	Molecules in clusters: The case of planar LiBeBCNOF built from a triangular form LiOB and a linear four-center species FBeCN. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 3253-3255.	0.9	3
39	Modeling vacancies and hydrogen impurities in graphene: A molecular point of view. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 6168-6174.	0.9	35
40	The role of anharmonicity in a variety of phase transitions controlled by pressure, including melting, brittle-to-ductile transition, and the liquid-vapour critical point. Journal of Physics: Conference Series, 2008, 121, 012001.	0.3	2
41	Statistical correlations of an anyon liquid at low temperatures. Physics and Chemistry of Liquids, 2008, 46, 342-348.	0.4	2
42	LÃ¶wdin correlation energy density of the inhomogeneous electron liquid in some closed-shell molecules at equilibrium geometry. Physics and Chemistry of Liquids, 2008, 46, 484-490.	0.4	2
43	Proposed modelling of the X-ray intensities in high-pressure crystalline phases of methane and silane. High Pressure Research, 2008, 28, 29-34.	0.4	2
44	Violation of the single-parameter scaling hypothesis in disordered graphene nanoribbons. Physical Review B, 2008, 78, .	1.1	12
45	Melting curveT_m(p) of sodium under pressurep: transition from a Wigner-like nuclear bcc structure near 30 GPa to lower symmetry states with negativedT_mâ€‰/â€‰dpat higher pressures. Physics and Chemistry of Liquids, 2008, 46, 86-89.	0.4	1
46	Pressure dependence of the energy gaps in diamond-type semiconductors, and their III-V analogues such as InSb. Journal of Physics: Conference Series, 2008, 121, 032006.	0.3	5
47	Spin-polarized electron liquid in CrO2under high pressure. Physics and Chemistry of Liquids, 2007, 45, 113-116.	0.4	0
48	Is there a quantum critical point controlled by pressure in the superconducting borocarbides RNi2B2C (Râ€‰=â€‰Y, Ho, Er, Tm)?. Phase Transitions, 2007, 80, 851-854.	0.6	0
49	Statistical correlations in an ideal gas of particles obeying fractional exclusion statistics. Physical Review E, 2007, 76, 061123.	0.8	14
50	Anyon liquid fractional statistics distribution function with applications to phonons in a low-dimensional vibrating lattice and to two-dimensional magnets. Physics and Chemistry of Liquids, 2006, 44, 193-202.	0.4	1
51	Equilibrium molecular energies used to obtain molecular dissociation energies and heats of formation within the bond-order correlation approach. Molecular Physics, 2006, 104, 453-461.	0.8	2
52	Bond-order correlation energies for small Si-containing molecules compared withab initioresults from low-order MÃ¸llerâ€“Plesset perturbation theory. Molecular Physics, 2006, 104, 1447-1456.	0.8	3
53	Majorana: From Atomic and Molecular, to Nuclear Physics. Foundations of Physics, 2006, 36, 1554-1572.	0.6	8
54	Scaling of the superconducting transition temperature in underdoped high-Tccuprates with a pseudogap energy: Does this support the anyon model of their superfluidity?. Physics and Chemistry of Liquids, 2006, 44, 203-207.	0.4	0

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55	Is MgB2a BCS-like charged superfluid?. Physics and Chemistry of Liquids, 2006, 44, 213-216.	0.4	0
56	Gap equation for anyon superfluids. Physics and Chemistry of Liquids, 2006, 44, 343-351.	0.4	1
57	Methods to determine the Hausdorff dimension of vortex loops in the three-dimensionalXYmodel. Physical Review B, 2006, 74, .	1.1	12
58	Electronic structure of clusters : , 2 and 4. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 338, 303-308.	0.9	1
59	Linear Response Theory Around a Localized Impurity in the Pseudogap Regime of an Anisotropic Superconductor. Journal of Superconductivity and Novel Magnetism, 2005, 18, 613-617.	0.5	0
60	Multiband Superconductors Close to a 3Dâ€“2D Electronic Topological Transition. Journal of Superconductivity and Novel Magnetism, 2005, 18, 619-623.	0.5	6
61	Tcfor heavy fermion superconductors linked with other physical properties at zero and applied pressure. Superconductor Science and Technology, 2005, 18, 557-560.	1.8	2
62	Collective excitations in a confined, interacting dilute Bose-condensed fluid. Physics and Chemistry of Liquids, 2005, 43, 157-165.	0.4	0
63	Low density observations of Rb and Cs chains along the liquidâ€“vapour coexistence curves to the critical point in relation to quantum-chemical predictions on the metal-insulator transitions in Li and Na rings. Physics and Chemistry of Liquids, 2005, 43, 111-114.	0.4	1
64	Pressure dependence of superconducting and magnetic critical temperatures in the ruthenocuprates. Physical Review B, 2005, 71, .	1.1	7
65	Linear response theory around a localized impurity in the pseudogap regime of an anisotropic superconductor: Precursor pairing versus d-density-wave scenario. Physical Review B, 2004, 70, .	1.1	7
66	Integral equation for inhomogeneous condensed bosons generalizing the Gross-Pitaevskii differential equation. Physical Review A, 2004, 69, .	1.0	2
67	Superconducting transition temperatures of the elements related to elastic constants. European Physical Journal B, 2004, 39, 427-431.	0.6	7
68	Correlation between characteristic energies in non-s-wave pairing superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 322, 375-383.	0.9	7
69	Stretched chemical bonds in Si6H6: a transition from ring currents to localized Ï€-electrons?. Chemical Physics, 2004, 297, 13-19.	0.9	9
70	Equilibrium geometries of low-lying isomers of some Li clusters, within Hartreeâ€“Fock theory plus bond order or MP2 correlation corrections. Journal of Chemical Physics, 2004, 120, 11615-11620.	1.2	14
71	Symmetry breaking and restoring under high pressure: the amazing behaviour of the "simple" alkali metals. European Physical Journal B, 2003, 32, 323-327.	0.6	14
72	Gaussian Effective Potential and superconductivity. European Physical Journal B, 2003, 33, 273-277.	0.6	23

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73	Linear response function around a localized impurity in a superconductor. Journal of Physics and Chemistry of Solids, 2003, 64, 413-418.	1.9	3
74	Electron or hole liquids in high-Tccuprates: evidence ford-wave order parameter. Physics and Chemistry of Liquids, 2003, 41, 559-566.	0.4	0
75	Effects of proximity to an electronic topological transition on normal-state transport properties of thehighâ^'Tcsuperconductors. Physical Review B, 2003, 67, .	1.1	14
76	SYMMETRY BREAKING AND RESTORING UNDER HIGH PRESSURE: THE â€œSIMPLEâ€•ALKALI METALS. High Pressure Research, 2003, 23, 243-246.	0.4	2
77	Phase Transitions Wholly within the Liquid State. Physics and Chemistry of Liquids, 2003, 41, 211-226.	0.4	10
78	Superconducting transition temperatures and coherence length in non-s-wave pairing materials correlated with spin-fluctuation mediated interaction. Physical Review B, 2002, 65, .	1.1	9
79	Correlation between critical temperature, pressure and hopping ratio in anisotropic low-dimensional superconductors. Journal of Physics Condensed Matter, 2002, 14, 10737-10740.	0.7	0
80	Pressure Effects on Anisotropic Low-Dimensional Superconductors Close to an Electronic Topological Transition. High Pressure Research, 2002, 22, 435-438.	0.4	0
81	Review: Luttinger or fermi liquids versus topological superconductivity. Physics and Chemistry of Liquids, 2002, 40, 353-394.	0.4	6
82	Mixed-symmetry solutions of the BCS gap equation. Nonlinear Analysis: Theory, Methods & Applications, 2001, 47, 3537-3542.	0.6	1
83	Is the Asymptotic Scenario of Precursor r space Bosons Consistent with Observation for Electron (hole) Liquids in Underdoped High-T cCuprates?. Physics and Chemistry of Liquids, 2000, 38, 615-622.	0.4	3
84	EXTENDED dx2-y2-WAVE GAP ANISOTROPY IN THREE MODEL THEORIES OF HIGH-Tc SUPERCONDUCTIVITY. International Journal of Modern Physics B, 2000, 14, 3306-3311.	1.0	3
85	Tcfor non-s-wave pairing superconductors correlated with coherence length and effective mass. Physical Review B, 2000, 62, 13919-13921.	1.1	15
86	Extended. European Physical Journal B, 2000, 15, 269.	0.6	4
87	Sharpk-space features in the order parameter within the interlayer pair-tunneling mechanism of high-Tcsuperconductivity. Physical Review B, 1999, 59, 1339-1353.	1.1	14
88	Phenomenology of scaling regularities at T=0 in solid halogens under pressure. Physica B: Condensed Matter, 1999, 265, 79-82.	1.3	0
89	Effect of nonuniform hole-content distribution within the interlayer pair-tunneling mechanism of layered HTSC. Physica B: Condensed Matter, 1999, 265, 136-141.	1.3	6
90	A mixed approach to the study of the magnetic and pairing correlations in the Bechgaard salts under pressure. Physica B: Condensed Matter, 1999, 265, 164-169.	1.3	0

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91	Non-polynomial phonon action for a dimer with one electron. Journal of Physics A, 1998, 31, 3185-3192.	1.6	4
92	One particle interacting with the acoustical phonons in a discrete chain. Physical Review B, 1997, 55, 6296-6303.	1.1	11
93	Path-Integral Treatment for Localized Electrons in the Periodic Anderson Model. International Journal of Modern Physics B, 1997, 11, 1023-1033.	1.0	3
94	Mobile intersite bipolarons in the discrete Holstein-Hubbard model. Physical Review B, 1997, 55, 14886-14891.	1.1	29
95	Are light alkali metals still metals under high pressure?. High Pressure Research, 1997, 15, 255-264.	0.4	30
96	Renormalization-group analysis of the superconductive instability in anisotropic systems. European Physical Journal D, 1996, 46, 957-958.	0.4	0
97	Renormalization-group approach to anisotropic superconductors at finite temperature. Physical Review B, 1996, 53, 2870-2881.	1.1	8
98	Interplay among critical temperature, hole content, and pressure in the cuprate superconductors. Physical Review B, 1996, 54, 15471-15477.	1.1	33
99	Variational study of the discrete Holstein model. Physical Review B, 1996, 53, 8449-8456.	1.1	39
100	Correlation energies in polyatomic molecules modelled in terms of bond order. Molecular Physics, 1996, 87, 553-567.	0.8	9
101	Self-localized excitations in 2D lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 205, 407-411.	0.9	5
102	The ground state of an extra electron interacting with acoustic phonons in a molecular chain. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 205, 90-96.	0.9	15
103	Quasisoliton states in a two-dimensional discrete model. Physical Review B, 1995, 52, 15273-15278.	1.1	13
104	Scaling properties of correlation energies of homonuclear diatoms. Molecular Physics, 1995, 86, 1229-1231.	0.8	2
105	Limit of Fermi Liquid Regime and Binding Energy of Charged (2e) Boson in High T_cCuprates. Physics and Chemistry of Liquids, 1994, 28, 141-144.	0.4	15
106	On the dependence of the critical temperature on pressure in the bisoliton model of high temperature superconductors. High Pressure Research, 1994, 11, 375-383.	0.4	2
107	Study of cis-trans isomerization of polyacetylene induced by doping. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1994, 69, 925-930.	0.6	1
108	Exact diagonalization of a two-dimensional double band Hubbard model on a twelve-site Cuî—¸O cluster. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 174, 263-266.	0.9	0

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109	Thomas-Fermi model for theC60molecule. Physical Review A, 1992, 46, 4048-4050.	1.0	14
110	Pressure dependence of the energy gap intrans-polyacetylene. Physical Review B, 1991, 43, 4224-4228.	1.1	7
111	Relaxation Toward Equilibrium in Plasmon-Enhanced Fusion. Fusion Science and Technology, 1990, 18, 347-350.	0.6	5
112	Metalinsulator transition induced by pressure in chemically bonded solids. High Pressure Research, 1990, 2, 109-134.	0.4	14
113	Electronic transport and three-dimensional band structure of crystalline iodine under high pressure. Physical Review B, 1988, 38, 9567-9570.	1.1	24
114	Metal-insulator transition of elemental iodine under pressure. Physical Review B, 1988, 37, 2491-2494.	1.1	25
115	Bond repulsion, electron correlation, and dimerization in low-dimensional solids under pressure. Physical Review B, 1988, 38, 9517-9521.	1.1	9
116	Thermodynamic properties of a 4-level Anderson model. Physica Scripta, 1987, 36, 962-965.	1.2	0
117	Representation of lowest-order density-gradient correction to kinetic energy in light molecules at equilibrium. Physical Review A, 1987, 35, 4428-4429.	1.0	9
118	Convolution representation of the relation between total electron density and that ofsstates in closed-shell atoms. Physical Review A, 1987, 35, 491-495.	1.0	1
119	Asymptotic Results for Density Matrices and Electron Density in Atoms and Nearly Spherical Molecules. , 1987, , 613-627.		0
120	Asymptotic form of first-order density matrix in the Hartree-Fock approximation for doubly occupied levels. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 122, 287-288.	0.9	0
121	Extension of the Anderson-Newns model for hydrogen chemisorption on Ni(100), Ni(111) and W(110). Surface Science, 1986, 167, 437-450.	0.8	23
122	Generalized 1/Z expansion for heteronuclear molecules. International Journal of Quantum Chemistry, 1986, 29, 949-958.	1.0	5
123	Maximum in vibrational frequency shift of a hydrogen molecule in solid hydrogen under pressure. Journal of Physics and Chemistry of Solids, 1986, 47, 231-236.	1.9	7
124	Equilibrium-bond-length predictions of very heavy heteronuclear molecules. Physical Review A, 1986, 33, 3511-3514.	1.0	14
125	Relation between carbonâ€“carbon bond length and compressibility from high pressure studies on liquid benzene. Journal of Chemical Physics, 1984, 80, 3919-3921.	1.2	3
126	Trends in the density of states of hydrogen chemisorbed on the transition metal series. Solid State Communications, 1984, 52, 1025-1027.	0.9	4

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127	Dimensional and geometrical effects on the electronic structure of polycyclic hydrocarbons. International Journal of Quantum Chemistry, 1984, 26, 783-791.	1.0	5
128	Electron density, Kohnâ€“Sham frontier orbitals, and Fukui functions. Journal of Chemical Physics, 1984, 81, 2862-2863.	1.2	441
129	Density, Total Energy and Chemical Potential of Atomic Ions and some Molecules. , 1984, , 53-74.		2
130	Semiconductor-like structure of infinite linear polyacene. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 95, 201-203.	0.9	35
131	Excited states of linear polyenes in theSCF-RPA method. International Journal of Quantum Chemistry, 1983, 23, 1111-1119.	1.0	3
132	Mean Ï€-electron energy and ionization potential in linear polyacenes with many rings, and HÃ¼ckel parameters. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 94, 63-66.	0.9	11
133	Electronic structure of linear polyacenes in alternant molecular orbital theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 1983, 96, 105-106.	0.9	5
134	Correlation effects for H chemisorbed on transition metals. Surface Science, 1983, 128, 237-248.	0.8	13
135	Simple solution to the Newns-Anderson Hamiltonian of chemisorption. Physical Review B, 1983, 28, 6640-6646.	1.1	15
136	Equilibrium bond lengths related to nuclear charge and atomic energies for homonuclear diatoms. Journal of Chemical Physics, 1983, 78, 2466-2467.	1.2	7
137	Chemical potential related to total energy in isoelectronic sequences of positive ions. Journal of Chemical Physics, 1983, 78, 2480-2484.	1.2	10
138	Electronic structure of linear polyacenes in the SCFâ€“RPA method. Journal of Chemical Physics, 1982, 77, 2438-2444.	1.2	23
139	Some moments of radial electron density in closedâ€shell atoms and their atomic scattering factors. Journal of Chemical Physics, 1982, 76, 4089-4093.	1.2	18
140	Total energy of atomic ions related to lowâ€order ionization potentials and to diamagnetic susceptibility. Journal of Chemical Physics, 1982, 76, 6091-6094.	1.2	7
141	A new solution to the Anderson-Newns Hamiltonian of chemisorption. Solid State Communications, 1982, 44, 911-914.	0.9	82
142	Asymptotic form of firstâ€order density matrix for atoms and molecules. Journal of Chemical Physics, 1981, 75, 496-497.	1.2	25
143	Semi-empirical SCF RPA calculations of benzene and naphthalene oscillator strengths. Chemical Physics Letters, 1981, 83, 309-311.	1.2	5
144	Asymptotic form of two-particle density matrix in atoms and molecules. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 86, 289-290.	0.9	5

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145	Electron density in two-electron ions in the limit of large nuclear charge. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 85, 75-76.	0.9	8
146	Liquid crystal model for hydrocarbons under shock wave conditions. Journal of Chemical Physics, 1981, 74, 1373-1378.	1.2	17
147	Kinetic energy density functional of HÃ¼ckel theory for planar hydrocarbons. Journal of Chemical Physics, 1981, 74, 2936-2937.	1.2	10
148	Many-body theory of Ï€ electron systems. Molecular Physics, 1980, 39, 1189-1199.	0.8	10
149	Toward a microscopic description of molecular electronic systems. International Journal of Quantum Chemistry, 1980, 18, 11-18.	1.0	6
150	Couplings between internal and translational degrees of freedom in isotropic superfluid fermi systems. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1980, 58, 301-316.	0.2	2
151	Multipole pair vibrations in superfluid 3He. Physics Letters, Section A: General, Atomic and Solid State Physics, 1978, 65, 418-420.	0.9	8
152	Selfâ€consistent manyâ€body theory for Ï€ electron systems. I. The ethylene molecule. Journal of Chemical Physics, 1977, 67, 4747-4755.	1.2	9
153	A complete Lagrangian formulation of superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1977, 62, 509-511.	0.9	4
154	Positron trapping in metals and substitutional alloys. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1975, 12, 371-374.	0.4	2
155	Correlation properties of a positron in an electron liquid. Theory and applications. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1974, 23, 202-225.	0.2	8
156	Positron vertex renormalization of the effective electron-positron interaction. Physics Letters, Section A: General, Atomic and Solid State Physics, 1972, 40, 86-88.	0.9	2
157	On the possibility of a single positron bound state in an electron liquid. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1971, 1, 87-95.	0.4	3
158	Electron-phonon interaction and positron annihilation in metals. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1970, 3, 197-202.	0.4	1