	AUTHOR: (bachelet gb) Refined by: RESEARCH AREAS=(PHYSICS) Timespan=All years Results found: 68 Sum of the Times Cited: 4906 Average Citations per Item: 72.15 h-index: 25	2012	2013	2014	2015	2016	Total	Average Citations per Year
		80	**101**	**76**	**79**	**10**	**4906**	**136.28**
1	**Title:** PSEUDOPOTENTIALS THAT WORK - FROM H TO PU **By:** BACHELET, GB; HAMANN, DR; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 26 **Issue:** 8 **Pages:** 4199-4228 **Published:** 1982	32	38	36	29	2	2725	77.86
2	**Title:** Correlation energy and spin polarization in the 2D electron gas **By:** Attaccalite, C; Moroni, S; Gori-Giorgi, P; et al. **Source:** PHYSICAL REVIEW LETTERS **Volume:** 88 **Issue:** 25 **Article Number:** 256601 **Published:** JUN 24 2002	11	17	6	12	4	281	18.73
3	**Title:** RELATIVISTIC AND CORE-RELAXATION EFFECTS ON THE ENERGY-BANDS OF GALLIUM-ARSENIDE AND GERMANIUM **By:** BACHELET, GB; CHRISTENSEN, NE **Source:** PHYSICAL REVIEW B **Volume:** 31 **Issue:** 2 **Pages:** 879-887 **Published:** 1985	7	3	9	4	0	276	8.62
4	**Title:** RELATIVISTIC NORM-CONSERVING PSEUDOPOTENTIALS **By:** BACHELET, GB; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 25 **Issue:** 4 **Pages:** 2103-2108 **Published:** 1982	3	5	4	8	0	191	5.46
5	**Title:** STRUCTURAL-ENERGY CALCULATIONS BASED ON NORM-CONSERVING PSEUDOPOTENTIALS AND LOCALIZED GAUSSIAN-ORBITALS **By:** BACHELET, GB; GREENSIDE, HS; BARAFF, GA; et al. **Source:** PHYSICAL REVIEW B **Volume:** 24 **Issue:** 8 **Pages:** 4745-4752 **Published:** 1981	0	0	1	0	0	146	4.06
6	**Title:** TOTAL-ENERGY GRADIENTS AND LATTICE-DISTORTIONS AT POINT-DEFECTS IN SEMICONDUCTORS **By:** SCHEFFLER, M; VIGNERON, JP; BACHELET, GB **Source:** PHYSICAL REVIEW B **Volume:** 31 **Issue:** 10 **Pages:** 6541-6551 **Published:** 1985	1	0	1	1	0	112	3.50
7	**Title:** DEFECTS IN DIAMOND - THE UNRELAXED VACANCY AND SUBSTITUTIONAL NITROGEN **By:** BACHELET, GB; BARAFF, GA; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 24 **Issue:** 8 **Pages:** 4736-4744 **Published:** 1981	0	1	2	0	0	104	2.89
8	**Title:** Analytic static structure factors and pair-correlation functions for the unpolarized homogeneous electron gas **By:** Gori-Giorgi, P; Sacchetti, F; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 61 **Issue:** 11 **Pages:** 7353-7363 **Published:** MAR 15 2000	5	8	1	4	0	80	4.71
9	**Title:** SELF-CONSISTENT CALCULATIONS OF THE ELECTRONIC-STRUCTURE FOR IDEAL GA AND AS VACANCIES IN GAAS **By:** BACHELET, GB; BARAFF, GA; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 24 **Issue:** 2 **Pages:** 915-925 **Published:** 1981	1	0	0	0	0	75	2.08
10	**Title:** NOVEL PSEUDO-HAMILTONIAN FOR QUANTUM MONTE-CARLO SIMULATIONS **By:** BACHELET, GB; CEPERLEY, DM; CHIOCCHETTI, MGB **Source:** PHYSICAL REVIEW LETTERS **Volume:** 62 **Issue:** 18 **Pages:** 2088-2091 **Published:** MAY 1 1989	1	0	0	0	0	73	2.61
11	**Title:** ASGA ANTISITE DEFECT IN GAAS **By:** BACHELET, GB; SCHLUTER, M; BARAFF, GA **Source:** PHYSICAL REVIEW B **Volume:** 27 **Issue:** 4 **Pages:** 2545-2547 **Published:** 1983	0	0	0	0	0	70	2.06
12	**Title:** STRUCTURAL DETERMINATION OF CL-CHEMISORPTION ON SI[111] AND GE[111] BY TOTAL-ENERGY MINIMIZATION **By:** BACHELET, GB; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 28 **Issue:** 4 **Pages:** 2302-2304 **Published:** 1983	1	0	0	1	0	51	1.50

13	**Title:** Electrons and phonons in the ternary alloy CaAl2-xSix as a function of composition **By:** Giantomassi, M; Boeri, L; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 72 **Issue:** 22 **Article Number:** 224512 **Published:** DEC 2005	4	0	2	3	0	48	4.00
14	**Title:** Local-spin-density functional for multideterminant density functional theory **By:** Paziani, S; Moroni, S; Gori-Giorgi, P; et al. **Source:** PHYSICAL REVIEW B **Volume:** 73 **Issue:** 15 **Article Number:** 155111 **Published:** APR 2006	1	8	4	4	0	43	3.91
15	**Title:** PSEUDOJELLIUM MODEL WITH AN APPLICATION TO LITHIUM CLUSTERS **By:** SERRA, L; BACHELET, GB; GIAI, NV; et al. **Source:** PHYSICAL REVIEW B **Volume:** 48 **Issue:** 19 **Pages:** 14708-14711 **Published:** NOV 15 1993	0	0	0	0	0	43	1.79
16	**Title:** Small Fermi energy and phonon anharmonicity in MgB2 and related compounds **By:** Boeri, L; Bachelet, GB; Cappelluti, E; et al. **Source:** PHYSICAL REVIEW B **Volume:** 65 **Issue:** 21 **Article Number:** 214501 **Published:** JUN 1 2002	0	0	1	1	0	42	2.80
17	**Title:** TRACTABLE APPROACH FOR CALCULATING LATTICE-DISTORTIONS AROUND SIMPLE DEFECTS IN SEMICONDUCTORS - APPLICATION TO THE SINGLE DONOR GE IN GAP **By:** SCHEFFLER, M; VIGNERON, JP; BACHELET, GB **Source:** PHYSICAL REVIEW LETTERS **Volume:** 49 **Issue:** 24 **Pages:** 1765-1768 **Published:** 1982	0	0	0	0	0	42	1.20
18	**Title:** Pair-distribution functions of the two-dimensional electron gas **By:** Gori-Giorgi, P; Moroni, S; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 70 **Issue:** 11 **Article Number:** 115102 **Published:** SEP 2004	2	4	1	1	0	40	3.08
19	**Title:** Electron-phonon interaction in graphite intercalation compounds **By:** Boeri, Lilia; Bachelet, Giovanni B.; Giantomassi, Matteo; et al. **Source:** PHYSICAL REVIEW B **Volume:** 76 **Issue:** 6 **Article Number:** 064510 **Published:** AUG 2007	2	3	4	3	1	37	3.70
20	**Title:** NONLOCAL EXCHANGE AND CORRELATION AND SEMICONDUCTOR BAND-STRUCTURE **By:** MANGHI, F; RIEGLER, G; BERTONI, CM; et al. **Source:** PHYSICAL REVIEW B **Volume:** 28 **Issue:** 10 **Pages:** 6157-6160 **Published:** 1983	0	3	0	0	1	36	1.06
21	**Title:** BAND-STRUCTURE CALCULATION FOR GAAS AND SI BEYOND THE LOCAL-DENSITY APPROXIMATION **By:** MANGHI, F; RIEGLER, G; BERTONI, CM; et al. **Source:** PHYSICAL REVIEW B **Volume:** 31 **Issue:** 6 **Pages:** 3680-3688 **Published:** 1985	0	0	0	0	1	34	1.06
22	**Title:** Unresolved problems in superconductivity of CaC(6) **By:** Mazin, I. I.; Boeri, L.; Dolgov, O. V.; et al. **Conference:** 8th International Conference on Materials and Mechanisms of Superconductivity and High Temperature Superconductors **Location:** Dresden, GERMANY **Date:** JUL 09-14, 2006 **Source:** PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS **Volume:** 460 **Pages:** 116-120 **Part:** 1 **Published:** SEP 1 2007	3	2	2	3	0	33	3.30
23	**Title:** SURFACE AND SIZE EFFECTS ON THE ELECTRONIC STATES OF SMALL METALLIC CLUSTERS - A MODEL CALCULATION **By:** BACHELET, GB; BASSANI, F; BOURG, M; et al. **Source:** JOURNAL OF PHYSICS C-SOLID STATE PHYSICS **Volume:** 16 **Issue:** 21 **Pages:** 4305-4320 **Published:** 1983	1	0	0	0	0	30	0.88
24	**Title:** CONDUCTION-BAND ENERGY OF EXCESS ELECTRONS IN LIQUID ARGON **By:** PLENKIEWICZ, B; JAYGERIN, JP; PLENKIEWICZ, P; et al. **Source:** EUROPHYSICS LETTERS **Volume:** 1 **Issue:** 9 **Pages:** 455-460 **Published:** MAY 1 1986	1	1	0	0	0	28	0.90
25	**Title:** Correlation energy and spin polarization in the 2D electron gas (vol 88, art no 256601, 2002) **By:** Attaccalite, C; Moroni, S; Gori-Giorgi, P; et al. **Source:** PHYSICAL REVIEW LETTERS **Volume:** 91 **Issue:** 10 **Article Number:** 109902 **Published:** SEP 5 2003	0	2	0	0	0	26	1.86

26	**Title:** Phase separation in the two-dimensional Hubbard model: A fixed-node quantum Monte Carlo study **By:** Cosentini, AC; Capone, M; Guidoni, L; et al. **Source:** PHYSICAL REVIEW B **Volume:** 58 **Issue:** 22 **Pages:** 14685-14688 **Published:** DEC 1 1998	1	0	0	0	1	25	1.32
27	**Title:** ROLE OF FORMS OF EXCHANGE AND CORRELATION USED IN GENERATING PSEUDOPOTENTIALS **By:** SHIRLEY, EL; MARTIN, RM; BACHELET, GB; et al. **Source:** PHYSICAL REVIEW B **Volume:** 42 **Issue:** 8 **Pages:** 5057-5066 **Published:** SEP 15 1990	0	0	1	0	0	24	0.89
28	**Title:** LONG-RANGE ORDER IN AL0.5GA0.5AS - LOCAL DENSITY CALCULATION OF THE ELECTRONIC-STRUCTURE **By:** CHRISTENSEN, NE; MOLINARI, E; BACHELET, GB **Source:** SOLID STATE COMMUNICATIONS **Volume:** 56 **Issue:** 1 **Pages:** 125-126 **Published:** 1985	0	0	0	0	0	23	0.72
29	**Title:** Local density functional for the short-range part of the electron-electron interaction **By:** Zecca, L; Gori-Giorgi, P; Moroni, S; et al. **Source:** PHYSICAL REVIEW B **Volume:** 70 **Issue:** 20 **Article Number:** 205127 **Published:** NOV 2004	3	3	1	1	0	22	1.69
30	**Title:** Variational quantum Monte Carlo calculation of the cohesive properties of cubic boron nitride **By:** Malatesta, A; Fahy, S; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 56 **Issue:** 19 **Pages:** 12201-12210 **Published:** NOV 15 1997	0	0	0	0	0	22	1.10
31	**Title:** SIMULATION OF HIGH-FIELD TRANSPORT IN GAAS USING A MONTE-CARLO METHOD AND PSEUDOPOTENTIAL BAND STRUCTURES - BAND-STRUCTURE DEPENDENT TRANSPORT AND IMPACT IONIZATION IN GAAS - COMMENT **By:** CAPASSO, F; PEARSALL, TP; THORNBER, KK; et al. **Source:** JOURNAL OF APPLIED PHYSICS **Volume:** 53 **Issue:** 4 **Pages:** 3324-3326 **Published:** 1982	0	0	0	0	0	18	0.51
32	**Title:** Analytic static structure factors and pair-correlation functions for the unpolarized homogeneous electron gas (vol 61, pg 7353, 2000) **By:** Gori-Giorgi, P; Sacchetti, F; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 66 **Issue:** 15 **Article Number:** 159901 **Published:** OCT 15 2002	0	1	0	1	0	13	0.87
33	**Title:** CHEMICAL HARDNESS, LINEAR-RESPONSE, AND PSEUDOPOTENTIAL TRANSFERABILITY **By:** FILIPPETTI, A; VANDERBILT, D; ZHONG, W; et al. **Source:** PHYSICAL REVIEW B **Volume:** 52 **Issue:** 16 **Pages:** 11793-11804 **Published:** OCT 15 1995	0	0	0	0	0	13	0.59
34	**Title:** Chemical bonding and lattice relaxations of deep-level defects **By:** Scheffler, M.; Beeler, F.; Jepsen, O.; et al. **Edited by:** Kimerling, L.C.; Parsey, J.M., Jr. **Conference:** Thirteenth International Conference on Defects in Semiconductors **Location:** Coronado, CA, USA **Date:** 12-17 Aug. 1984 **Sponsor(s):** TMS-AIME; Def. Adv. Res. Projects Agency; NASA; Office of Naval Res; et al **Source:** Thirteenth International Conference on Defects in Semiconductors **Pages:** 45-58 **Published:** 1985	0	0	0	0	0	10	0.31
35	**Title:** PSEUDOPOTENTIALS AND PHYSICAL IONS **By:** FOCHER, P; LASTRI, A; COVI, M; et al. **Source:** PHYSICAL REVIEW B **Volume:** 44 **Issue:** 16 **Pages:** 8486-8495 **Published:** OCT 15 1991	0	0	0	2	0	9	0.35
36	**Title:** Two-dimensional electron gas: Correlation energy versus density and spin polarization **By:** Gori-Giorgi, P; Attaccalite, C; Moroni, S; et al. **Conference:** 9th International Conference on Application of the Density Functional Theory to Chemistry and Physics **Location:** MADRID, SPAIN **Date:** SEP 10-14, 2001 **Source:** INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY **Volume:** 91 **Issue:** 2 **Pages:** 126-130 **Published:** JAN 15 2003	0	0	0	1	0	8	0.57
37	**Title:** BONDING GEOMETRIES OF CL ON SI(111) AND GE(111) **By:** BACHELET, GB; SCHLUTER, M **Source:** JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B **Volume:** 1 **Issue:** 3 **Pages:** 726-728 **Published:** 1983	0	0	0	0	0	8	0.24

38	**Title:** ELECTRON CORE-HOLE INTERACTIONS AT SURFACES - AN EXACTLY SOLUBLE MODEL **By:** ALTARELLI, M; BACHELET, GB; BOUCHE, V; et al. **Source:** SURFACE SCIENCE **Volume:** 129 **Issue:** 2-3 **Pages:** 447-481 **Published:** 1983	0	0	0	0	0	7	0.21
39	**Title:** Correlation energy, pair-distribution functions and static structure factors of jellium **By:** Gori-Giorgi, P; Sacchetti, F; Bachelet, GB **Conference:** International Conference on Statistical Mechanics and Strongly Correlated Systems **Location:** UNIV LA SAPIENZA, DEPT PHYS, ROME, ITALY **Date:** SEP 27-29, 1999 **Sponsor(s):** Inst Nazl Fis Nucl; Inst Nazl Fis Mat; Gruppo Nazl Stutura Mat; Univ La Sapienza, Dipartimento Fis **Source:** PHYSICA A **Volume:** 280 **Issue:** 1-2 **Pages:** 199-205 **Published:** MAY 15 2000	0	1	0	0	0	6	0.35
40	**Title:** Alkali-metal plasmons, pseudopotentials, and optical sum rules **By:** Alippi, P; LaRocca, P; Bachelet, GB **Source:** PHYSICAL REVIEW B **Volume:** 55 **Issue:** 20 **Pages:** 13835-13841 **Published:** MAY 15 1997	0	0	0	0	0	5	0.25
41	**Title:** LATTICE-DEFECTS IN SEMICONDUCTORS - TOWARDS A FINITE-TEMPERATURE THEORY **By:** BACHELET, GB; DELORENZI, G **Source:** PHYSICA SCRIPTA **Volume:** T19A **Pages:** 311-319 **Published:** 1987	0	0	0	0	0	5	0.17
42	**Title:** CORRECTION **By:** BACHELET, GB **Source:** PHYSICAL REVIEW B **Volume:** 29 **Issue:** 4 **Pages:** 2309-2309 **Published:** 1984	0	0	0	0	0	5	0.15
43	**Title:** The origin of phonon anharmonicity in MgB2 and related compounds **By:** Boeri, L; Bachelet, GB; Cappelluti, E; et al. **Conference:** International Workshop on Superconductivity in Magnesium Diboride and Related Materials **Location:** GENOA, ITALY **Date:** JUN 17-19, 2002 **Source:** SUPERCONDUCTOR SCIENCE & TECHNOLOGY **Volume:** 16 **Issue:** 2 **Pages:** 143-146 **Article Number:** PII S0953-2048(03)54516-X **Published:** FEB 2003	0	0	0	0	0	2	0.14
44	**Title:** LOCAL NORM-CONSERVING PSEUDO-HAMILTONIANS **By:** BOSIN, A; FIORENTINI, V; LASTRI, A; et al. **Source:** PHYSICAL REVIEW A **Volume:** 52 **Issue:** 1 **Pages:** 236-257 **Published:** JUL 1995	0	0	0	0	0	2	0.09
45	**Title:** Free energy of formation of lattice vacancies in silicon **By:** Bachelet, G.B.; Jacucci, G.; Car, R.; et al. **Edited by:** Engstrom, O. **Conference:** 18th International Conference on the Physics of Semiconductors **Location:** Stockholm, Sweden **Date:** 11-15 Aug. 1986 **Source:** 18th International Conference on the Physics of Semiconductors **Pages:** 801-4 vol.2 **Published:** 1987	0	0	0	0	0	2	0.07
46	**Title:** STATIC ATOMIC POLARIZABILITIES FROM NORM-CONSERVING PSEUDOPOTENTIALS **By:** BACHELET, GB; TANNER, C; SCHLUTER, M **Source:** PHYSICA STATUS SOLIDI B-BASIC RESEARCH **Volume:** 110 **Issue:** 1 **Pages:** 313-322 **Published:** 1982	0	0	0	0	0	2	0.06
47	**Title:** Small Fermi energy effects in MgB2 and related compounds **By:** Cappelluti, E; Bachelet, GB; Boeri, L; et al. **Conference:** 7th International Conference on Materials and Mechanisms of Superconductive and High Temperature Superconductors **Location:** Rio de Janeiro, BRAZIL **Date:** MAY 25-30, 2003 **Source:** PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS **Volume:** 408 **Pages:** 332-333 **Published:** AUG 2004	0	1	0	0	0	1	0.08

48	**Title:** Phase separation in the 2D Hubbard model: A challenging application of fixed-node QMC **By:** Bachelet, GB; Cosentini, AC **Edited by:** Nightingale, MP; Umrigar, CJ **Conference:** NATO Advanced Study Institute on Quantum Monte Carlo Methods in Physics and Chemistry **Location:** CORNELL UNIV, ITHACA, NY **Date:** JUL 12-24, 1998 **Sponsor(s):** NATO Adv Study Inst; Natl Sci Fdn; Ctr Europeen Calcul Atom Molec; Cornell Univ **Source:** QUANTUM MONTE CARLO METHODS IN PHYSICS AND CHEMISTRY **Book Series:** NATO ADVANCED SCIENCE INSTITUTES SERIES, SERIES C, MATHEMATICAL AND PHYSICAL SCIENCES **Volume:** 525 **Pages:** 375-397 **Published:** 1999	0	0	0	0	0	1	0.06
49	**Title:** PSEUDOHAMILTONIANS AND QUANTUM MONTE-CARLO **By:** BOSIN, A; FIORENTINI, V; LASTRI, A; et al. **Edited by:** Broughton, J; Bristowe, P; Newsam, J **Conference:** SYMP ON MATERIALS THEORY AND MODELLING, AT THE 1992 FALL MEETING OF THE MATERIALS RESEARCH SOC **Location:** BOSTON, MA **Date:** NOV 30-DEC 03, 1992 **Sponsor(s):** MAT RES SOC; BIOSYM TECHNOL; CRAY RES; NCUBE **Source:** MATERIALS THEORY AND MODELLING **Book Series:** MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS **Volume:** 291 **Pages:** 21-26 **Published:** 1993	0	0	0	0	0	1	0.04
50	**Title:** PSEUDOPOTENTIAL PORTABILITY IN THE QMC FRAMEWORK **By:** MENCHI, M; BOSIN, A; MELONI, F; et al. **Edited by:** Broughton, J; Bristowe, P; Newsam, J **Conference:** SYMP ON MATERIALS THEORY AND MODELLING, AT THE 1992 FALL MEETING OF THE MATERIALS RESEARCH SOC **Location:** BOSTON, MA **Date:** NOV 30-DEC 03, 1992 **Sponsor(s):** MAT RES SOC; BIOSYM TECHNOL; CRAY RES; NCUBE **Source:** MATERIALS THEORY AND MODELLING **Book Series:** MATERIALS RESEARCH SOCIETY SYMPOSIUM PROCEEDINGS **Volume:** 291 **Pages:** 291-296 **Published:** 1993	0	0	0	0	0	1	0.04
51	**Title:** COMPUTER-SIMULATION IN MATERIALS SCIENCE **By:** JACUCCI, G; MARCHESE, M; BACHELET, GB; et al. **Edited by:** CHIAROTTI, GF; FUMI, F; TOSI, MP **Conference:** 106TH COURSE OF THE ENRICO FERMI INTERNATIONAL SCHOOL OF PHYSICS : CURRENT TRENDS IN THE PHYSICS OF MATERIALS **Location:** LERICI, ITALY **Date:** JUN 20-JUL 08, 1988 **Sponsor(s):** INT SCH PHYS ENRICO FERMI **Source:** CURRENT TRENDS IN THE PHYSICS OF MATERIALS **Book Series:** PROCEEDINGS OF THE INTERNATIONAL SCHOOL OF PHYSICS ENRICO FERMI **Volume:** 106 **Pages:** 121-159 **Published:** 1990	0	0	0	0	0	1	0.04
52	**Title:** PSEUDOPOTENTIALS THAT WORK - FROM H TO PU - REPLY **By:** BACHELET, GB; HAMANN, DR; SCHLUTER, M **Source:** PHYSICAL REVIEW B **Volume:** 37 **Issue:** 9 **Pages:** 4798-4798 **Published:** MAR 15 1988	0	0	0	0	0	1	0.03
53	**Title:** No large lattice relaxations around the arsenic antisite defect in GaAs **By:** Bachelet, G.B.; Scheffler, M. **Edited by:** Chadi, J.D.; Harrison, W.A. **Conference:** 17th International Conference on the Physics of Semiconductors **Location:** San Francisco, CA, USA **Date:** 6-10 Aug. 1984 **Sponsor(s):** IUPAP; Int. Center Theor. Phys.; AIP; APS; American Vacuum Soc.; et al **Source:** Proceedings of the 17th International Conference on the Physics of Semiconductors **Pages:** 755-60 **Published:** 1985	0	0	0	0	0	1	0.03
54	**Title:** GREEN-FUNCTION APPROACH TO REALISTIC CALCULATIONS OF THE ELECTRONIC-STRUCTURE OF SEMICONDUCTOR INTERFACES **By:** MOLINARI, E; BACHELET, GB; ALTARELLI, M **Source:** SURFACE SCIENCE **Volume:** 152 **Issue:** APR **Pages:** 1178-1184 **Published:** 1985	0	0	0	0	0	1	0.03
55	**Title:** SELF-CONSISTENT CALCULATIONS OF THE ELECTRONIC-STRUCTURE FOR IDEAL GA AND AS VACANCIES IN GAAS **By:** BACHELET, GB; BARAFF, GA; SCHLUTER, M **Source:** BULLETIN OF THE AMERICAN PHYSICAL SOCIETY **Volume:** 26 **Issue:** 3 **Pages:** 256-256 **Published:** 1981	0	0	0	0	0	1	0.03

56	**Title:** Static ground-state properties of the 2D electron gas **By:** Gori-Giorgi, Paola; Moroni, Saverio; Bachelet, Giovanni B. **Conference:** 28th International Workshop on Condensed Matter Theories **Location:** Washington Univ, St Louis, MO **Date:** SEP 27-OCT 02, 2004 **Sponsor(s):** Washington, Dept Phys; Shodor Educ Fdn Inc **Source:** Condensed Matter Theories, Vol 20 **Book Series:** CONDENSED MATTER THEORIES (NOVA) **Volume:** 20 **Pages:** 13-21 **Published:** 2006	0	0	0	0	0	0	0.00
57	**Title:** Nonadiabatic effects and the role of small Fermi energy in MgB2 **By:** Cappelluti, E; Grimaldi, C; Pietronero, L; et al. **Conference:** 11th National Congress on Superconductivity (SATT11) **Location:** SALERNO, ITALY **Date:** MAR 19-22, 2002 **Source:** INTERNATIONAL JOURNAL OF MODERN PHYSICS B **Volume:** 17 **Issue:** 4-6 **Pages:** 560-566 **Part:** 1 **Published:** MAR 10 2003	0	0	0	0	0	0	0.00
58	**Title:** Model static structure factors and pair-correlation functions for the unpolarized homogeneous electron gas **By:** Bachelet, G.B.; Gori-Giorgi, P.; Sacchetti, F. **Source:** AIP Conference Proceedings **Issue:** 577 **Pages:** 21-37 **Published:** 2001	0	0	0	0	0	0	0.00
59	**Title:** Model static structure factors and pair-correlation functions for the unpolarized homogeneous electron gas **By:** Bachelet, GB; Gori-Giorgi, P; Sacchetti, F **Edited by:** VanDoren, V; VanAlsenoy, C; Geerlings, P **Conference:** International Conference on Density Functional Theory and its Applications to Materials **Location:** ANTWERP, BELGIUM **Date:** JUN 08-10, 2000 **Sponsor(s):** FWO, Flem Sci Fdn; Res Program Bilater Sci & Technol; Hungary Flem Comm; FWO Res Community; Unesco Centrum Vlaanderen; ExxonMobil; PQR; Janssen Pharmaceut **Source:** DENSITY FUNCTIONAL THEORY AND ITS APPLICATION TO MATERIALS **Book Series:** AIP Conference Proceedings **Volume:** 577 **Pages:** 21-37 **Published:** 2001	0	0	0	0	0	0	0.00
60	**Title:** Proceedings of the International Conference on Statistical Mechanics and Strongly correlated Systems held at University of Rome "La Sapienza" Italy, 27-29 September 1999 - Preface **By:** Bachelet, GB; Parisi, G; Vulpiani, A **Source:** PHYSICA A **Volume:** 280 **Issue:** 1-2 **Pages:** XIII-XIII **Published:** MAY 15 2000	0	0	0	0	0	0	0.00
61	**Title:** Phase separation in the two-dimensional Hubbard model: A fixed-node quantum Monte Carlo study **By:** Cosentini, A.C.; Capone, M.; Guidoni, L.; et al. **Source:** Physical Review B (Condensed Matter) **Volume:** 58 **Issue:** 22 **Pages:** R14685-8 **Published:** 1 Dec. 1998	0	0	0	0	0	0	0.00
62	**Title:** Curvilinear coordinates for full-core atoms **By:** Putrino, A; Bachelet, GB **Edited by:** Fiorentini, V; Meloni, F **Conference:** VII Italian-Swiss Workshop on Advances in Computational Materials Science - II **Location:** CAGLIARI, ITALY **Date:** SEP 19-23, 1997 **Sponsor(s):** Regione Autonoma Sardegna; Univ Studi Cagliari, Dept Sci Fisiche; Mat Consiglio Nazl Ricerche, Grp Nazl Struttura; Ist Nazl Fis Mat, Sezione Semiconduttori Isolanti; Ist Nazl Fis Mat, Unita Ricerca Cagliari **Source:** PROCEEDINGS OF THE VII ITALIAN-SWISS WORKSHOP ADVANCES IN COMPUTATIONAL MATERIALS SCIENCE II **Book Series:** SOCIETA ITALIANA DI FISICA : CONFERENCE PROCEEDINGS **Volume:** 61 **Pages:** 35-48 **Published:** 1998	0	0	0	0	0	0	0.00
63	**Title:** ALKALI CLUSTERS - BEYOND THE JELLIUM SPHERE **By:** SERRA, L; BACHELET, GB; GIAI, NV; et al. **Conference:** 3rd European Conference on Advanced Materials and Processes **Location:** PARIS, FRANCE **Date:** JUN 08-10, 1993 **Sponsor(s):** ASSOC AERONAUT & ASTRONAUT FRANCE; ASSOC MAT COMPOSITES; SOC FRANCAISE PHYS; SOC FRANCAISE MICROSCOPIC ELECTR; GRP FRANCAISE CERAM; GRP FRANCAISE POLYM; EUROPEAN ASSOC COMPOSITE MAT; EUROPEAN CERAM SOC; EUROPEAN POLYM FEDERAT; SOC FRANCAISE MET & MAT; FEDERAT EUROPEAN MAT SOC **Source:** JOURNAL DE PHYSIQUE IV **Volume:** 3 **Issue:** C7 **Pages:** 1965-1969 **Part:** 3 **Published:** NOV 1993	0	0	0	0	0	0	0.00

64	**Title:** From electronic structure to thermodynamics **By:** Bachelet, G.B. **Edited by:** Stavola, M.; Pearton, S.J.; Davies, G. **Conference:** Defects in Electronic Materials. Symposium **Location:** Boston, MA, USA **Date:** 30 Nov.-3 Dec. 1987 **Source:** Defects in Electronic Materials. Symposium **Pages:** 13-24 **Published:** 1988	0	0	0	0	0	0.00
65	**Title:** Green function approach to realistic calculations of the electronic structure of semiconductor interfaces **By:** Molinari, E.; Bachelet, G.B.; Altarelli, M. **Conference:** Proceedings of the Sixth European Conference on Surface Science **Location:** York, UK **Date:** 1-5 April 1984 **Sponsor(s):** EPS; IOP **Source:** Surface Science **Volume:** 152-153 **Pages:** 1178-84 **Published:** April 1985	0	0	0	0	0	0.00
66	**Title:** 1S core shifts and the gap of tetrahedral semiconductors **By:** Christensen, N.E.; Bachelet, G.B. **Edited by:** Chadi, J.D.; Harrison, W.A. **Conference:** 17th International Conference on the Physics of Semiconductors **Location:** San Francisco, CA, USA **Date:** 6-10 Aug. 1984 **Sponsor(s):** IUPAP; Int. Center Theor. Phys.; AIP; APS; American Vacuum Soc.; et al **Source:** Proceedings of the 17th International Conference on the Physics of Semiconductors **Pages:** 1009-12 **Published:** 1985	0	0	0	0	0	0.00
67	**Title:** THE OXYGEN CENTER IN GAP **By:** BARAFF, GA; SCHLUTER, M; BACHELET, GB **Source:** BULLETIN OF THE AMERICAN PHYSICAL SOCIETY **Volume:** 26 **Issue:** 3 **Pages:** 256-256 **Published:** 1981	0	0	0	0	0	0.00
68	**Title:** FITTED NORM-CONSERVING PSEUDOPOTENTIALS AND TOTAL ENERGY STUDIES **By:** SCHLUTER, M; BACHELET, GB; BARAFF, GA; et al. **Source:** BULLETIN OF THE AMERICAN PHYSICAL SOCIETY **Volume:** 26 **Issue:** 3 **Pages:** 390-390 **Published:** 1981	0	0	0	0	0	0.00