A Preliminary Bibliography of Publications of Norman H. March

Nelson H. F. Beebe
University of Utah
Department of Mathematics, 110 LCB
155 S 1400 E RM 233
Salt Lake City, UT 84112-0090
USA
Tel: +1 801 581 5254
FAX: +1 801 581 4148
E-mail: beebe@math.utah.edu, beebe@acm.org,
beebe@computer.org, beebe@ieee.org (Internet)
WWW URL: http://www.math.utah.edu/~beebe/

13 October 2017
Version 0.27

Abstract
This bibliography records publications of Norman H. March.

Title word cross-reference

(1 < n ≤ 6) [1458, 1462]. (1s)(2s)² [1164]. (e, 2e) [357]. (n = 6, 8, 12) [1481].
–∂V_{XC}(r)/∂r [1263]. –∂V_{XC}/∂r [1253, 1130, 1102, 1367]. –Ze²/r [1322]. 1
[573]. 1/5 [1127, 1309]. 1/7 [1127, 1309]. 1/Z
[863, 935, 966, 967, 1336, 480, 1390, 494, 470]. 10 [588]. $120.00 [1521]. $15
[117]. 2 [179, 568, 599, 412, 577]. 2π� [589]. 3
[476, 686, 412, 572, 1388, 497, 1447, 1451]. 4 [1120, 1488, 568, 1138, 579]. 5
$89.50 [1509]. 9 [583]. $90 [1508]. [111] [179]. (4) [1232]. * [382, 601]. 2³
[1038, 1187, 1188, 1295, 1458, 1189, 39, 227, 162, 1462, 684, 795, 1196, 735,
[642, 1359]. \( \frac{\hat{H}}{2m} [735]. \) \( \frac{\hat{H}}{2} [594, 1030]. \) \( 3 [1189, 39, 307, 367, 1283, 1284, 1211]. \) \( \frac{\hat{H}}{3} [1170]. \) 4

\[ 1295, 1459, 657, 1317, 597, 307, 641, 642, 1274, 1359, 1211, 1253, 1512. \] \( \frac{\hat{H}}{2} [735]. \) \( \frac{\hat{H}}{2} [1253, 1512]. \) \( 6 [1081, 1284]. \) \( 60 [1159, 1293, 1294, 1065]. \) 5

\[ 930, 932, 1121, 866, 715, 755, 642, 739, 782, 807, 1272, 1359, 1114, 1422. \] \( n [1458, 1481, 1462, 1486, 1138, 921]. \) \( \times [642, 1359]. \) \( c(r, r') [923]. \) \( : [1284]. \) \( D [728, 762, 1229, 841, 1142, 1143, 1372, 1476, 997, 998, 1049, 1091, 407, 415, 462, 487, 512, 260, 329, 880, 1448]. \) \( \delta [104]. \) \( dT(m)/dp [1216]. \) \( E [1050]. \) \( \eta [1189]. \) \( \gamma [1448]. \) \( H_2 [594, 1317]. \) \( H_2^+ [876]. \) \( \kappa [1284]. \) \( N [738, 929, 1054, 598, 973, 1120, 129, 1307, 108, 570, 422, 872, 921]. \) \( N(r, E) [1050]. \) \( n = 1, 2 [1120, 1138]. \) \( n = 45 [921]. \) \( n = 6, 8, 12 [1486]. \) \( \nabla^2 n/n [872]. \) \( \nabla n/n [872]. \) \( \nu = 1 [1388]. \) \( O [738]. \) \( P [653, 1216, 966, 967, 1055, 1352, 904, 647]. \) \( \partial V_{xc}(r)/\partial r [1240]. \) \( \pi [990, 1289, 1081, 7, 8, 256, 380, 452]. \) \( R [1188, 930, 886, 966, 967, 1106, 1231]. \) \( R = [1188]. \) \( r_{12} [1038]. \) \( \rho^{1/2} [508]. \) \( S [568, 653, 884, 1515, 932, 994, 1079, 966, 967, 1004, 1134, 1137, 1055, 1352, 904, 446, 484, 507, 578, 647, 922, 1153, 527]. \) \( S(q) [1406]. \) \( S^2 [829]. \) \( S_z [829]. \) \( \text{sech} 2x [1408]. \) \( \text{sech}^2 [1092]. \) \( \sigma [7, 8]. \) \( sp [883, 913, 914, 1379]. \) \( T [782]. \) \( T - m(B) [1465]. \) \( T - m(p) [1216]. \) \( T = 0 [919, 976, 926]. \) \( T_e [744]. \) \( \rightarrow [735]. \) \( V(r) [1457, 1090, 1333, 1334]. \) \( V_{XC} [1253]. \) \( V_{xc}(r) [1017, 1130]. \) \( Z [1322, 1227, 1237]. \) \( Z_e [1463]. \)

- Body [497]. - Dimensional [179, 415, 1171, 998, 1142, 1143, 1372].
- Wave [1137, 1153, 1515, 932, 994, 1079, 1134, 922].

0 [1521, 1506]. 0-12-470520 [1506]. 0-306-44170-5 [1521].


2 [1211]. 2-Dimensional [721, 656]. 2-Dimensions [765]. 2-Level [662].
258 [1503]. 298 [861]. 2E [739].

3d [411]. 3He [1375].

470520 [1506]. 492pp [1520]. 4He [1375]. 4He-3He [1375].
7-membered [1197].


871, 913, 914, 1142, 1143, 1171, 1372, 1379, 1209, 1251, 1182.


Coulomb-Flüssigkeiten [1506]. Coulombic [1186, 569, 1390].

Coulombically [1078, 864, 1111].

Coupled [1532, 529, 1039, 784, 844, 846, 850, 1062, 1490]. Coupling [684, 705, 787].

Covalent [162, 756, 166, 317, 797, 346, 775, 1032]. covered [211].

Cr [426, 1284]. crack [938, 924, 951]. CrBr [1283].


CrO [1187].

Cross [742, 795, 251]. Cross-Sections [742, 795]. crossover [1234, 1279, 1248, 1210].

crowdions [814].


cusp [1214, 1002, 946, 979, 1028, 1382, 1476]. cylindrically [885].

d [1041, 918, 476, 412, 871, 1447, 1451]. d-electron [918]. d-wave [1041].


Defects [1310, 477, 899, 77, 610, 119, 81, 1428, 63, 1197, 78, 79, 154, 315, 585, 945].

Density


Density-Direct

Density-Gradient

density-independent

Density-Matrices

Density-Matrix

Density-potential

Dependence

Dependent

Derived

Description

Desorption

Determinant

Determination

deuterium

DFT

diagonal


[1298, 666, 669]. epidemic [1430]. Equation

Fluorescence [684, 362, 705].

Fluorinated [1461].

Fluorite [286, 315].

Flüssigkeiten [1506].

Fock [435, 360, 1214, 1456, 126, 1299, 1194, 1485, 397, 398, 399, 1312, 933, 1435, 1085, 661, 689, 690, 800, 824, 1325, 964, 414, 505, 648, 649, 677, 921, 972, 1175, 1238, 1244, 1354, 1211].

Folding [1355].

Forbidden [430].

Force-balance [928, 1088].

Force-Constant [756, 656].

Forces [363, 1314, 90, 1316, 165, 905, 139, 542, 670, 839, 870, 1027, 351, 1412, 1116, 1321, 170, 314, 523, 1144, 1358, 1392, 131].

Form [726, 760, 829, 189, 817, 1183, 1479, 359, 1431, 1215, 278, 89, 1224, 1318, 860, 759, 303, 304, 316, 343, 737, 771, 875, 1231, 652].

Formally [547, 1173, 1370].

Formation [561, 472, 317, 406, 458, 525, 557, 593, 1432, 394, 1300, 98, 154, 346, 370, 491, 492, 522, 572, 582, 1208].

formed [1078, 1111].

forming [1282].

Forms [632, 1056, 296].

Formula [188, 545, 505, 1354, 1449].

formulas [830, 1351, 251].

Forming [1282].

Foundation [43, 313, 1373, 1226, 1249, 1414].

Four [1453, 1479, 1259, 1432, 1215, 1224, 1318].

Four-center [1215, 1224, 1318].

Fourier [965].

Fractal [1267, 1539, 1478].

Fractals [903].

Fractional [1410, 952, 1209].

fractions [1127, 1309].

Fragment [692, 699].

Fragmentation [859, 802].

Fragments [986].

Free [29, 41, 264, 724, 302, 16, 18, 22, 348, 517, 608, 694, 736, 809, 810, 911, 1018, 352, 1546, 855, 1458, 1481, 203, 1311, 42, 1460, 1462, 1486, 1466, 725, 1006, 1437, 349, 417, 816, 1026, 1061, 1407, 159].

free-electron [855].

Free-Electrons [724].

Free-Energy [348].

Free-Path [264, 517].

free-space [1458, 1481, 1460, 1462, 1486, 1466].

Freezing [471, 279, 731, 284, 312, 318, 324, 337, 509, 521, 526, 676, 621, 356, 679, 1426, 883, 1339, 287, 912, 1179, 1403, 1406, 1418].

Frenkel [286, 315].

frequencies [1093, 940, 954].

Frequency [34, 261, 249, 122, 486].

Frequency-Dependent [261].

friction [938, 385, 951].

Front [898, 910, 1019, 1371, 788].

Fullerene [1184].

Fulleride [1114, 1252, 1422, 1210].

fullerides [1156, 1182].

fully [875, 1276].


[668]. group [56]. growth [1430]. GW [630].


Ice [329, 1093]. Ice- [329]. ideal [1209]. Idempotent [1090, 1333, 1334, 1106, 1204, 1290, 828, 1329, 1048, 1332, 941, 942, 1104, 1168, 1203, 1368, 1415].

identical [1415]. Identified [1433]. Identity [726, 1257, 737]. ihre [1518]. Illus [1210].


Include [741]. Including [744, 1220, 1435, 502, 769, 847, 871, 1156, 124].

Incomplete [31]. incorporate [856]. Independent [660, 564, 1192, 659, 997, 1091, 1338, 235, 513, 582, 1201].

independent-particle [513]. independently [947]. index [1262].

Indicator [797]. indices [1451]. Indirect [504, 514, 589]. Induced [311, 1252, 1258, 1094, 702, 1271, 1381, 1287]. inelastic [1093, 211].


Inhomogeneity [733, 675, 674]. Inhomogeneous [821, 884, 1258, 1292, 566, 126, 682, 1400, 719, 720, 661, 827, 962, 1001, 734, 1349, 1525, 169, 518, 586, 645, 646, 677, 811, 1275, 1363, 1377, 678, 746, 752, 856, 885, 992, 1212, 1431, 1456, 1457, 1080, 499, 1299, 1303, 1084, 891, 1463, 1225, 800, 1162, 999, 1003, 1005, 1134, 1437, 310, 448, 834, 875, 976, 981, 1016, 1110, 1175, 1202, 1204, 1206, 1234, 1276, 1386, 1407, 1440, 1472, 1473, 1476, 1248, 817, 955, 1211, 1254]. initio [1259, 1295, 1466, 1145, 1317].


Intensities [225, 243, 1219, 222]. intensity [430]. Inter [353, 1098].

metal-based [1230, 1241], metal-benzene [1167], Metal-Electrode [467].
Metal-Insulator [456, 1365, 419, 559, 1122, 1296, 273, 487, 614, 1395].
Metal-Insulator-Transition [402, 476, 575].
Metal-Molten [393, 467].
metal-molten-salt [374].
metal-semiconductor [387].
Metal-Surface [751, 162, 163, 749].
Metal-Surfaces [226, 537].
methane-like [1088].
Method [1482, 2, 690, 45, 106, 114, 1516, 3, 1518, 689, 267, 1343, 803, 1350, 23, 379, 811, 1425].
Methods [20, 396, 50, 413, 1409, 1259, 9, 10, 1440, 1445].
Microscopic [741, 1065, 467, 1423, 184].
Microstructure [215].
Midpoint [743, 735, 613].
Miedema [297, 350].
mimicking [1196].
Minimum [501].
Mirror [692, 704, 699].
Mirror-Plane [704].
mismatch [332].
Mixed [358, 377].
Mixture [198, 886].
Mixtures [276, 611, 244, 187, 420, 491, 522, 1375].
Mn [426].
Mobility [501, 757].
Mobility-Density [501].
Model [183, 351, 1412, 185].
Model-Dependent [1436].
Model-Equations [500, 553].
Modeling [751, 1185, 615, 1205].
modelled [798, 976].
Modelling [1261, 1461, 1219, 1264, 781, 907, 923, 927].
Models [102, 109, 1495, 661, 905, 18, 971, 1383, 1495, 1218, 1517, 1045, 1007, 420, 840, 1071, 1145, 1176, 1405, 498, 1066].
Modern [1543].
Modes [562, 600, 510, 612].
Modification [545, 855].
Modified [478, 1385, 1288].
Molecular-Dynamics [464]. Molecular-Interactions [779]. Molecular-Orbital [1409, 9, 10]. Molecular-Phase [283].
27

484, 541, 604, 616, 1067, 1103, 1393, 1415. one-component [1465].

One-Dimension [598]. One-Dimensional [627, 636, 662, 235, 626, 992, 1162, 1330, 1054, 1092, 1163, 1164, 570, 513, 651, 947, 970, 973, 981].

One-Electron [691, 706]. One-sixth [674].

Optimally [712]. Optimized [1189, 1053, 1337, 1439]. Orbital [116, 120, 534, 1452, 1409, 654, 1546, 568, 1437, 9, 10, 118, 378, 463, 551, 650, 1407, 159].

Orbital-Free [1546, 1437, 1407]. Orbitals [104, 1457, 764, 780, 1489].

Order [178, 1468, 1436, 1533, 72, 741, 774, 809, 810, 1013, 123, 1480, 929, 1041, 1192, 437, 798, 1085, 802, 826, 1045, 935, 965, 1336, 764, 829, 189, 194, 252, 273, 303, 316, 347, 430, 780, 808, 917, 1020, 1071, 1098, 1201, 1231, 1362, 1395, 1471, 1112, 1415, 355, 528, 1510, 1511]. ordered [1107, 1273, 1284, 1113].

Ordering [1298, 311, 524]. orders [1288].

Organic [5, 718, 861, 700, 1262, 6, 859, 862, 887]. Organic-Molecules [718].


Oscillator [998, 267, 1343, 444, 463, 947]. Oscillatory [74, 1320, 75, 85, 1340, 76, 80, 514]. Osmotic [420, 495]. Osmotic-Pressure [495].

Other [661, 1119, 1121, 1223, 343, 379, 498]. outer [1258]. outline [573].


Particles [700, 1396, 564, 1321, 997, 376, 949, 1178, 1358, 1209].

Perfect [151, 764, 1501, 780]. Perfectly [617].

Packed [561, 472, 127, 557, 593, 125, 94, 98, 945]. Packing [1018]. Pair [1117, 595, 1297, 400, 204, 1466, 503, 208, 731, 904, 905, 427, 549, 768, 871, 980, 620, 621, 1418, 1252, 679, 1426, 1479, 1256, 203, 1311, 802, 1339, 216, 582, 1417].


Pergamon [1503, 1497]. Periodic


semi-empirical [1449]. semi-infinite [499, 512]. Semiclassical
[849, 876, 1030, 811, 1442, 1450]. Semiconductor [1529, 630, 839].
Semiconductor [1535, 1536, 387, 430, 1521]. semiconductor-metal [430].
Semiconductors [34, 41, 107, 1313, 1217, 148, 1032, 1109, 1074].
Semiempirical [1485]. semiempirically [1456, 1385]. semiquantitative
[1159, 1293, 1294]. separable [1405]. separately [830, 1351]. Separation
[54, 1387, 1038, 293, 417, 833, 1032, 851, 818]. separations [1116, 1144, 131].
September [77]. sequence [1115, 1136, 1169]. sequences [375]. Series
[1497, 369, 1511, 1516]. Sham [1457, 824, 1325]. Shannon [1077, 863].
Shape [293, 406, 757, 313, 875, 1373]. Shear
[637, 545, 1035, 1260, 423, 1270, 879]. Shell
[854, 282, 653, 1258, 1434, 1225, 966, 967, 1338, 505, 578, 1354, 354, 527].
shells [821, 929, 1322, 963, 997, 998, 1002, 1004, 1228, 379, 490, 540, 546, 647,
804, 1028, 1404, 817]. shielded [1271, 1287]. shift [486, 1198]. shock [331].
Short [178, 264, 194, 774, 1013]. Short-Range [178, 774, 1013].
Si [918, 1081, 832, 921, 1280, 1443, 1286]. Si6H6 [1086].
Siday [858]. SiH [1295, 1317, 597, 1512]. Silane [19, 1219, 27, 1274].
Silica [225, 222]. Silicon
[531, 753, 786, 839, 225, 243, 1454, 1458, 1462, 222, 554, 766, 833, 851].
Similar [1123]. Similarity [732, 1009]. Simple [333, 361, 1292, 680, 363,
1314, 302, 904, 350, 672, 620, 332, 752, 681, 1302, 340, 814, 843, 1417, 433].
simulated [1342]. Simulation [301]. Single
[1482, 726, 730, 598, 662, 412, 1531, 676, 1180, 1431, 1303, 438, 729, 1164, 570,
1437, 411, 547, 737, 846, 916, 973, 1102, 1362, 1367, 1438]. single-
Single-Particle [1482, 726, 598, 662, 1531, 676, 1180, 1431, 1303, 438, 1164,
570, 1437, 737, 916, 973, 1102, 1362, 1367]. Single-Phase [412]. single-wall
[846]. Singlet [318, 337]. singly [328]. Singularities [52, 55]. SiO
[1458, 1459, 1462]. sixth [674]. Size [177, 522, 818, 332]. Slater
[626, 627, 752, 855, 885, 992, 1157, 1292, 1457, 401, 824, 1162, 1325, 1048,
1092, 1135, 1332, 734, 1349, 425, 446, 507, 512, 513, 804, 865, 922, 1067, 1269,
1386, 1393, 1408, 745, 1419]. Slow [683]. Slow-Electron [683]. Small
[386, 424, 542, 783, 351, 1412, 160, 1427, 882, 1161, 1484, 417, 818].
Small-Angle [424, 542, 351, 160, 1427]. Small-Distance [783].
Smoluchowski [549]. smoothing [28]. SnH [1274]. Sodium
[621, 1216, 83, 334, 1418]. Soft [97, 201, 99, 242]. solely
[1004, 1129, 1331, 1140]. Solid [1534, 1519, 152, 153, 441, 1501, 599, 1344,
525, 670, 1540, 1410, 73, 1459, 203, 1311, 934, 221, 486, 702, 869, 878, 919,
952, 1142, 1143, 1149, 1171, 1280, 1372, 1381, 926, 927]. solid-like
[1142, 1143, 1171, 1372]. Solid-Phase [525]. Solids
[35, 1507, 228, 1508, 103, 1522, 254, 339, 408, 1526, 1528, 605, 676, 1376, 1511,
200, 1537, 1076, 392, 1094, 1268, 23, 190, 255, 345, 1527, 483, 510, 612, 939,
1060, 1281, 1385, 556, 1156, 1509]. Solitary [878]. Solute [32, 258, 257, 522].
Solution [297, 632, 549, 239, 888, 48, 1488, 440, 1227, 1, 4, 171, 230, 373, 1237, 1430].

Solutions [475, 364, 1356, 174, 1514, 1191, 146, 53, 482, 982, 1035].

Solvable [1495, 1517, 1464, 1049, 1196, 1145, 1244, 1470, 1250]. solvated [860].

Solvation [364]. solvent [888]. solvents [1184, 860].

Some [989, 1116, 1292, 35, 56, 1436, 733, 895, 903, 847, 848, 982, 1013, 1033, 1110, 1144, 1383, 1406, 1407, 1476, 354, 496, 752, 1260, 1481, 1194, 1518, 1461, 1486, 889, 1085, 1225, 964, 965, 999, 1268, 23, 381, 907, 918, 972, 1016, 1066, 1270, 1281, 1440, 1444, 957].

Sound [521, 1247].

Sound-Wave [521].


Spectrum [1076, 1434, 519]. Sphere [100, 545, 1018, 1282]. Spheres [670, 205]. Spherical [724, 188, 56, 742, 900, 991, 1289, 1263, 1194, 657, 725, 1088, 1008, 325, 489, 641, 974, 1017, 1103, 1206, 1240, 1390, 1444, 1473, 983, 853, 1253].

Spherically [1038, 1236]. Spin [1187, 1483, 29, 120, 1167, 16, 93, 1255, 1453, 1480, 1037, 1039, 1117, 1292, 92, 917, 953, 1062, 1176].


Static [623]. statics [1110]. Station [117]. Statistical


Stig [1510, 1511]. Stokes [912, 1179, 1403]. Stokes-Einstein [1179]. Strain [57]. Street [1508]. Strength [165, 899, 188, 711, 962, 1267, 170, 710]. stress [936].

Temperature-Dependence [627].

Ten [1003, 935, 1336, 1204].

Ten-electron [1003, 935, 1336, 1204].

Tension [262, 276, 337, 988, 1262, 244, 245, 246, 861, 923, 1242].

Tensor [1292, 726, 752, 936, 737].

Term [386, 966, 967, 1338, 1390].

Terms [854, 761, 675, 653, 1038, 1290, 798, 1327, 966, 967, 1004, 1048, 1090, 1129, 1331, 1332, 1333, 1334, 270, 372, 572, 647, 674, 872, 923, 1063, 1106, 1108, 1140, 1148, 1168, 1204, 1234, 1236, 1269, 1362, 1390, 1248, 591].

Ternary [436, 453].

Terrestrial [794].

Tetrahedral [1436, 1411, 1432, 27, 28, 1459, 657, 336, 11, 449, 1444].

Texas [383x117].

Their [1298, 475, 762, 142, 610, 676, 1259, 1217, 1459, 338, 482, 945, 1285, 354].

Theorem [17, 18, 285, 1083, 1263, 1128, 1326, 12, 13, 490, 1236, 1245, 1361, 1404, 1476, 852, 664].

Theorems [762].

Theoretical [5, 6, 799, 152, 153, 441, 1501, 9, 10, 1409, 857, 56, 28, 1501].

Theorie [1518].

Theories [395, 1297, 686, 721, 1522, 516, 391, 398, 1323, 414, 982].


theory [1425, 1211, 1452, 335, 369, 1520, 1517].

There [386, 1188, 1282, 1494].

Thermal [589, 850, 933, 799, 504, 1139, 1151, 1477, 819].

Thermally [463].

Thermodynamic [530, 688, 1010, 1353, 883, 1124, 1009, 913, 914, 1379, 1405, 987].

Thermodynamically [427, 496].

Thermodynamics [561, 638, 1348, 952, 1027, 1033, 1410, 224, 1416, 557, 593, 535, 580].

thermoelectric [782].

thickness [387, 911].

thin [1467].

third [1231].

third-order [1231].

Thomas [1514, 626, 627, 856, 1482, 20, 26, 2, 3, 48, 102, 109, 186, 440, 803, 1350, 1056, 1057, 1, 4, 9, 10, 11, 12, 13, 15, 18, 21, 23, 30, 31, 37, 44, 193, 370, 371, 379, 383, 615, 811, 841, 845, 872, 982, 1070, 1400, 1409, 1411, 710, 711, 468, 469, 529, 106, 1425].

Thoughts [1145].

Three
Three-dimensional [1078, 1111, 1491, 992, 1271, 1283, 1073, 1287, 558]. three-electron [1480].
three-level [652]. Three-particle [1323, 1277, 117]. Tight [555, 114].
Tight-Binding [114, 555]. Time [684, 520, 1226, 705, 1174, 1249, 1414, 1452]. time-dependent
[1226, 1174, 1249, 1414]. times [911]. Tm [1188]. Tomography [1447, 1174, 1226, 1174, 1249, 1414, 1452].
Transcending [1482, 905, 938, 677, 811, 951, 1285]. Transfer [358, 361, 716, 251, 377].
Transition-Metal [476, 426, 504]. Transitions [1483, 66, 311, 456, 525, 1044, 1122, 1220, 1296, 56, 273, 920, 949, 1394, 1395, 1474, 1491, 1156].
two- [652]. Two-Body [104]. Two-Component [1397, 158].
words [196]. Work [297, 1466].

yield [1214, 824, 1325]. yielding [1116, 1144]. York [1497, 1508, 1509, 117, 368, 408, 1521]. York/Toronto/Sydney/Paris/Braunschweig [1497]. Young [1498, 1502].


References


REFERENCES


REFERENCES


March:1953:NSP


March:1953:VTD


March:1953:VTF


Ballinger:1954:BLF


Ballinger:1954:ETF


March:1954:CAM


March:1954:FED


REFERENCES


March:1957:TFA


March:1957:VMC


Carter:1958:XRE


Donovan:1958:PAN


Gilvarry:1958:AST


March:1958:KPE


REFERENCES


REFERENCES


[70] N. H. March and A. M. Murray. Enhancement of electron density around positive point charges in metals and lifetimes of positrons. *Physical Re-

March:1962:SCP


Simcox:1962:HPB


Gaskell:1963:EMD


Johnson:1963:LRO


March:1963:EMD

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Perrin:1975:CDL


Ryazanov:1975:KEE


Sayers:1975:SXR


Bhatia:1976:PDE


Cusack:1976:EEP


DeAngelis:1976:LMP


Gillan:1976:SCL

Grout:1976:IEV


Grout:1976:LTB


Johnson:1976:SEP


Leung:1976:PPD


Mahanty:1976:CBW


Mahanty:1976:NIS


March:1976:ADLa


Bhuiyan:1977:PSF


Giaquinta:1977:LSH


Leung:1977:RSH


March:1977:DSN


March:1977:ESL


March:1977:GIH


March:1977:IBT

REFERENCES


REFERENCES


REFERENCES


REFERENCES


Mucci:1979:TDR


Bhatia:1980:TSL


Brah:1980:EMA


Dreizler:1980:AFC


Ferraz:1980:CWC


Gabbay:1980:MSI

REFERENCES


REFERENCES


REFERENCES


REFERENCES

Alonso:1982:CFSb


Flores:1982:SIV


Kumar:1982:CPL


Lawes:1982:SEB


March:1982:ASD


March:1982:BEH


March:1982:CES


REFERENCES

McCaskill:1982:ETS


Page:1982:NSM


Pucci:1982:SMR


Pucci:1982:TEA


Rovere:1982:FTR


Allan:1983:CPS


Alonso:1983:DFE

REFERENCES


REFERENCES


REFERENCES


Pucci:1983:EBL


Senatore:1983:CMS


Arimitsu:1984:RTP


Ballone:1984:DCM


Bhatia:1984:PLD


Bhatia:1984:RBP

Callaway:1984:DFM


Dawson:1984:DDF


Dawson:1984:DFT


Dawson:1984:DMD


Dawson:1984:PFS


Dawson:1984:SSO


Ferraz:1984:MHE

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

1985. CODEN PCLQAC. ISSN 0031-9104, 0031-9104, 1026-7727, 1029-0451.


Mucci:1985:DED


Roman:1985:EMS


Senatore:1985:APR


Senatore:1985:NWK


Senatore:1985:ZEH


Bernasconi:1986:DCP

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Senatore:1987:TFT


Ascough:1988:ERB


Balbas:1988:XRS


Baltin:1988:CDR


Chapman:1988:MSE


Kemister:1988:RBT

REFERENCES


REFERENCES


REFERENCES

March:1989:BO


March:1989:CA


March:1989:ECC


March:1989:ECH


March:1989:EDT


March:1989:EKE


March:1989:ESM

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES

Amovilli:1991:NCD


Amovilli:1991:TDS


Amovilli:1991:TSS


Ascough:1991:EEF


Egorov:1991:DAD


Engel:1991:CGS

REFERENCES

Freeman:1991:BDE


Hammel:1991:CAI


Holas:1991:CPP


Holas:1991:KDP


Holas:1991:KED


Holas:1991:RFW

REFERENCES


REFERENCES


REFERENCES

March:1991:RBT


March:1991:RFS


Nagy:1991:EFP


Nagy:1991:KTE


Nagy:1991:RBT


Schmidt:1991:SII


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Holas:1994:PDE


Holas:1994:RDF


Johnson:1994:DSS


Klein:1994:SRC


Laming:1994:SPI


REFERENCES


[752] C. Amovilli and N. H. March. Slater sum and kinetic energy tensor in some simple inhomogeneous electron liquids. *Physics and Chemistry of
REFERENCES


Bisi:1995:CBP


Blazej:1995:PIR


Egorov:1995:DTT


Freeman:1995:ERB


Freeman:1995:MME


Grassi:1995:SPC

REFERENCES


March:1995:CBP


March:1995:CDEa


March:1995:CDeb


March:1995:CEC


March:1995:DFT


March:1995:EAF

REFERENCES


REFERENCES


March:1995:SED


March:1995:TPM


March:1995:UCP


Srivastava:1995:FM


Zhu:1995:BAB


Alonso:1996:EPN


Amato:1996:SES

REFERENCES

Freeman:1996:AFD

Freeman:1996:ASD

Freeman:1996:CMC

Freeman:1996:EAC

Freeman:1996:EEB

Freeman:1996:SPE

Grassi:1996:CEP
Antonio Grassi, Giuseppe M. Lombardo, Norman H. March, and Renato Pucci. Correlation energies in polyatomic molecules modelled in terms of


REFERENCES


REFERENCES


Tankeshwar:1996:RBE


Amato:1997:SES


Amovilli:1997:IEL


Freeman:1997:URB


Holas:1997:CSEa

REFERENCES


REFERENCES

March:1997:PMR


March:1997:SAP


March:1997:SCC


March:1997:STA


March:1997:TCS


Matthai:1997:CFF


Siday–Aharonov–Bohm (ESAB) and Aharonov–Casher (AC) effects. 
0217-9849 (print), 1793-6640 (electronic).

molecules by low energy positrons: positrolysis. Molecular Physics, 93 
(5):847–850, ???? 1998. CODEN MOPHAM. ISSN 0026-8976 (print), 
1362-3028 (electronic).

159–162, ???? 1998. CODEN PCLQAC. ISSN 0031-9104, 0031-9104, 
1026-7727, 1029-0451.

/link.aip.org/link/?JCP/109/10521/1.

tandfonline.com/doi/full/10.1080/002689798168853.

74989; http://www3.interscience.wiley.com/cgi-bin/fulltext? 
ID=74989&PLACEBO=IE.pdf.


REFERENCES


[875] N. H. March. The shape of the self-consistent field form of the differential equation for the ground-state electron density of a weakly inhomogeneous


Freeman:1999:HMC


Freeman:1999:TSA


Gal:1999:DEG


Gal:1999:GLD


Heyes:1999:RBT


Holas:1999:FDE

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Angilella:2000:CNW


Angilella:2000:NWP


Farid:2000:MBP


Holas:2000:VEE


Howard:2000:NEE


REFERENCES


REFERENCES


REFERENCES


[965] I. A. Howard, N. H. March, and V. E. Van Doren. Momentum density and its Fourier transform: Relation to the first-order density matrix and

Howard:2001:RPS


Howard:2001:SED


Klein:2001:MMR


Leys:2001:QDD


March:2001:ARB


REFERENCES


REFERENCES


Alonso:2002:SPM


Amovilli:2002:DEE


Amovilli:2002:DPE


Amovilli:2002:SST


Angilella:2002:LFL


Angilella:2002:STT

REFERENCES


REFERENCES


[1007] F. E. Leys, N. H. March, and V. E Van Doren. Critical properties of n-alkanes and the relevance of polymer models to the heavy fluid metals


REFERENCES


REFERENCES

March:2002:FOD


March:2002:HT


March:2002:LVI


March:2002:NNF


March:2002:QDL


March:2002:QF


Marc:2002:TCE


Marc:2002:TEE


March:2002:V


Zhang:2002:SVD


Zhang:2002:TPM


Alonso:2003:CEL

REFERENCES


REFERENCES


Angilella:2003:PTW

Holas:2003:WFL

Howard:2003:CEA

Howard:2003:CED

Howard:2003:CSE

Howard:2003:ESM
[1049] I. A. Howard, I. V. Komarov, N. H. March, and L. M. Nieto. An exactly solvable model where properties of a fermion assembly are dom-


Marc


Marc


Marc


Marc


Marc


Marc

REFERENCES


REFERENCES


[1097] F. E. Leys, C. Amovilli, and N. H. March. Topology, connectivity, and electronic structure of C and B cages and the corresponding nan-
REFERENCES


March:2004:CAS


March:2004:CEA


March:2004:CME


March:2004:CSH


March:2004:EIF


[1115] Claudio Amovilli and Norman H. March. Density matrices in direct and momentum space for a model of the He-like sequence of atomic


REFERENCES


[1127] Francisco Claro, Alejandro Cabo, and Norman H. March. On the phase diagram of a two-dimensional electron gas near integer fillings and fractions such as 1/5 and 1/7. *Physica Status Solidi. B, Basic Research*, 242...
REFERENCES


Holas:2005:DVT

URL http://link.aip.org/link/?JCP/123/194104/1.

Howard:2005:CEC


Howard:2005:FAE


Howard:2005:FPDb


Howard:2005:IET


Howard:2005:IHM


REFERENCES


REFERENCES

Howard:2006:EFT

Howard:2006:QTR

Klein:2006:SPE

March:2006:ECP

March:2006:EDL

March:2006:EFT
REFERENCES


REFERENCES


[1189] A. Ayuela, N. H. March, and D. J. Klein. Optimized geometry of the cluster Gd$_2$O$_3$ and proposed antiferromagnetic alignment of f-electron


REFERENCES

Howard:2007:CA


Howard:2007:ESM


Klein:2007:BDT


March:2007:ACP


March:2007:CDF


March:2007:ECK

REFERENCES


REFERENCES

March:2007:SMN


Matthai:2007:PDM


Pellegrino:2007:SCI


Squire:2007:ABB


VanAlsenoy:2007:NLE


Amovilli:2008:AIE


REFERENCES


[1263] Ferenc Bogár, Ferenc Bartha, and Norman H. March. Use of the differential virial theorem to estimate the spatial variation of the exchange-correlation force $-\partial V_{XC}(r)/\partial r$ in the ground states of the spherical

Forte:2009:QCM


Gal:2009:DFG


Glasser:2009:EED


Klein:2009:FND


Lamo:2009:ODS


REFERENCES


REFERENCES

Squire:2009:HCP


Amovilli:2010:DEE


Amovilli:2010:ECP


Amovilli:2010:MMA


Amovilli:2010:SSK


Amovilli:2010:TDEa

[1294] Claudio Amovilli and Norman H. March. Two-dimensional electro-
static analog of the March model of C_{60} with a semiquantitative ap-
plication to planar ring clusters. In March and Angilella [1545],
abs/10.1142/9789814271783_0112.

of a cluster of SiH_4 and two H_2 molecules, together with its dimer and
PYLAAG. ISSN 0375-9601 (print), 1873-2429 (electronic). URL http://

of Rb and Cs chains along the liquid-vapour coexistence curves to the
critical point in relation to quantum-chemical predictions on the metal-
insulator transitions in Li and Na rings. In March and Angilella [1545],
abs/10.1142/9789814271783_0058.

[1297] J. A. Ascough and N. H. March. Structure inversion: Pair poten-
tials with common characteristics from three theories at low density on
liquid-vapour coexistence curve of Cs. In March and Angilella [1545],
abs/10.1142/9789814271783_0037.

[1298] A. Ayuela and N. H. March. The magnetic moments and their long-range
ordering for Fe atoms in a wide variety of metallic environments. Inter-
2010. CODEN IJQCB2. ISSN 0020-7608 (print), 1097-461X (electronic).

as functional of electronic density from Hartree-Fock theory of inho-
mogeneous electron gas. In March and Angilella [1545], pages 801–


REFERENCES

Dawson:2010:DMD


Durkan:2010:LEI


Ebbsjo:2010:SFS


Egelstaff:2010:ECF


Enderby:2010:IFS


Forte:2010:IQM

REFERENCES


REFERENCES

Herman:2010:CMM


Holas:2010:CSE


Holas:2010:DVT


Holas:2010:EEC


Holas:2010:FDE


Holas:2010:PLC

REFERENCES


REFERENCES


REFERENCES


March:2010:KPE


March:2010:LCE


March:2010:LPD


March:2010:MMI


March:2010:NCC


March:2010:NED

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES
REFERENCES


[1432] C. Amovilli and N. H. March. Hookean atom with four electrons: On the formation of a tetrahedral Wigner molecule in the weak trapping

Arends:2011:SGC


Bogar:2011:PPH


Glasser:2011:MIE


Krishtal:2011:SOM

REFERENCES


[1449] Z. D. Zhang and N. H. March. Refined semi-empirical formula for liquid-vapour critical point exponent delta and its relevance to the random...


REFERENCES


REFERENCES


REFERENCES


REFERENCES


[1479] A. Akbari, C. Amovilli, N. H. March, and A. Rubio. Explicit form of Pauli potential for direct derivation of pair density from a two-particle differential equation for the quintet state of four electrons with harmonic

**Akbari:2013:PFV**


**Angilella:2013:NSR**


**Angilella:2013:SPK**


**Ayuela:2013:NTA**


**Cabria:2013:EAS**

REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


REFERENCES


Lundqvist:1988:OCN


Bortolani:1990:IAM


Butcher:1993:PLD


Tosi:1993:PLD


Srivastava:1995:CMD


Cederbaum:1997:AMI

REFERENCES


Lung:1999:MPM


March:1999:ECS


Surjan:1999:CL


March:2002:ILS


Parr:2002:RMQ

