

Chintamani Nagesa Ramachandra Rao

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#	Paper	IF	Citations
1464	Graphene: the new two-dimensional nanomaterial. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 7752-77	16.4	3344
1463	Metal carboxylates with open architectures. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 1466-966.4	16.4	1774
1462	MoS2 and WS2 analogues of graphene. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4059-62	16.4	1250
1461	Ferromagnetism as a universal feature of nanoparticles of the otherwise nonmagnetic oxides. <i>Physical Review B</i> , 2006 , 74,	3.3	1158
1460	Structural diversity and chemical trends in hybrid inorganic-organic framework materials. <i>Chemical Communications</i> , 2006 , 4780-95	5.8	945
1459	Graphene-based electrochemical supercapacitors. <i>Journal of Chemical Sciences</i> , 2008 , 120, 9-13	1.8	671
1458	Inorganic nanowires. <i>Progress in Solid State Chemistry</i> , 2003 , 31, 5-147	8	654
1457	Graphene analogues of BN: novel synthesis and properties. <i>ACS Nano</i> , 2010 , 4, 1539-44	16.7	609
1456	Graphene, the new nanocarbon. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2457		584
1455	XPS studies of oxides of second- and third-row transition metals including rare earths. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1980 , 20, 25-45	1.7	498
1454	A study of graphenes prepared by different methods: characterization, properties and solubilization. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1517		481
1453	Structure, electron-transport properties, and giant magnetoresistance of hole-doped LaMnO3 systems. <i>Physical Review B</i> , 1996 , 53, 3348-3358	3.3	471
1452	Size-dependent chemistry: properties of nanocrystals. <i>Chemistry - A European Journal</i> , 2002 , 8, 28-35	4.8	461
1451	Simple Method of Preparing Graphene Flakes by an Arc-Discharge Method. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4257-4259	3.8	458
1450	Science and technology of nanomaterials: current status and future prospects. <i>Journal of Materials Chemistry</i> , 2001 , 11, 2887-2894		456
1449	Binding of DNA nucleobases and nucleosides with graphene. <i>ChemPhysChem</i> , 2009 , 10, 206-10	3.2	444
1448	Graphene analogues of inorganic layered materials. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13162-85	16.4	402

1447	Highly effective visible-light-induced H ₂ generation by single-layer 1T-MoS ₂ and a nanocomposite of few-layer 2H-MoS ₂ with heavily nitrogenated graphene. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13057-61	16.4	378
1446	Effect of particle size on the giant magnetoresistance of La _{0.7} Ca _{0.3} MnO ₃ . <i>Applied Physics Letters</i> , 1996 , 68, 2291-2293	3.4	364
1445	Inorganic nanotubes. <i>Dalton Transactions</i> , 2003 , 1-24	4.3	360
1444	Ferromagnetism as a universal feature of inorganic nanoparticles. <i>Nano Today</i> , 2009 , 4, 96-106	17.9	350
1443	Aufbau principle of complex open-framework structures of metal phosphates with different dimensionalities. <i>Accounts of Chemical Research</i> , 2001 , 34, 80-7	24.3	334
1442	Some Novel Attributes of Graphene. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 572-580	6.4	330
1441	Nano-indentation studies on polymer matrix composites reinforced by few-layer graphene. <i>Nanotechnology</i> , 2009 , 20, 125705	3.4	330
1440	Materials science. There's room in the middle. <i>Science</i> , 2007 , 318, 58-9	33.3	317
1439	Synthesis, Structure, and Properties of Boron- and Nitrogen-Doped Graphene. <i>Advanced Materials</i> , 2009 , 21, NA-NA	24	314
1438	Changes in the electronic structure and properties of graphene induced by molecular charge-transfer. <i>Chemical Communications</i> , 2008 , 5155-7	5.8	313
1437	Comparative Study of Potential Applications of Graphene, MoS ₂ , and Other Two-Dimensional Materials in Energy Devices, Sensors, and Related Areas. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 7809-32	9.5	311
1436	Synthesis, properties and applications of graphene doped with boron, nitrogen and other elements. <i>Nano Today</i> , 2014 , 9, 324-343	17.9	304
1435	Evidence for the likely occurrence of magnetoferroelectricity in the simple perovskite, BiMnO ₃ . <i>Solid State Communications</i> , 2002 , 122, 49-52	1.6	304
1434	Simple Synthesis of MoS ₂ and WS ₂ Nanotubes. <i>Advanced Materials</i> , 2001 , 13, 283-286	24	304
1433	Giant Magnetoresistance and Related Properties of Rare-Earth Manganates and Other Oxide Systems. <i>Chemistry of Materials</i> , 1996 , 8, 2421-2432	9.6	304
1432	Mössbauer Studies of the High-Spin-Low-Spin Equilibria and the Localized-Collective Electron Transition in LaCoO ₃ . <i>Physical Review B</i> , 1972 , 6, 1021-1032	3.3	300
1431	Layer-dependent resonant Raman scattering of a few layer MoS ₂ . <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 92-96	2.3	297
1430	Hydrothermal Synthesis of Organic Channel Structures: 1:1 Hydrogen-Bonded Adducts of Melamine with Cyanuric and Trithiocyanuric Acids. <i>Journal of the American Chemical Society</i> , 1999 , 121, 1752-1753	16.4	293

1429	Absence of ferromagnetism in Mn- and Co-doped ZnO. <i>Journal of Materials Chemistry</i> , 2005 , 15, 573		287
1428	MnO and NiO nanoparticles: synthesis and magnetic properties. <i>Journal of Materials Chemistry</i> , 2006 , 16, 106-111		282
1427	Synthesis of metal oxide nanorods using carbonnanotubes as templates. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2115-2119		274
1426	The C=S stretching frequency and the $\nu_{\text{N-C=S}}$ bands in the infrared. <i>Spectrochimica Acta</i> , 1962 , 18, 541-547		273
1425	Carbon nanotubes by the metallocene route. <i>Chemical Physics Letters</i> , 1997 , 267, 276-280	2.5	272
1424	Y-junction carbon nanotubes. <i>Applied Physics Letters</i> , 2000 , 77, 2530-2532	3.4	269
1423	Infrared and Electronic Spectra of Rare Earth Perovskites: Ortho-Chromites, -Manganites and -Ferrites. <i>Applied Spectroscopy</i> , 1970 , 24, 436-445	3.1	267
1422	Metal complexes of organophosphate esters and open-framework metal phosphates: synthesis, structure, transformations, and applications. <i>Chemical Reviews</i> , 2008 , 108, 3549-655	68.1	265
1421	Large aligned-nanotube bundles from ferrocene pyrolysis. <i>Chemical Communications</i> , 1998 , 1525-1526	5.8	260
1420	B α , C α and B β nanotubes produced by the pyrolysis of precursor molecules over Co catalysts. <i>Chemical Physics Letters</i> , 1998 , 287, 671-676	2.5	259
1419	Uptake of H ₂ and CO ₂ by Graphene. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 15704-15707	3.8	257
1418	Thiol-Derivatized Nanocrystalline Arrays of Gold, Silver, and Platinum. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 9876-9880	3.4	256
1417	Synthesis of inorganic nanomaterials. <i>Dalton Transactions</i> , 2007 , 3728-49	4.3	250
1416	Crystal chemistry and magnetic properties of layered metal oxides possessing the K ₂ NiF ₄ or related structures. <i>Journal of Solid State Chemistry</i> , 1984 , 53, 193-216	3.3	248
1415	Transformations of molecules and secondary building units to materials: a bottom-up approach. <i>Accounts of Chemical Research</i> , 2004 , 37, 763-74	24.3	240
1414	Oxide nanotubes prepared using carbon nanotubes as templates. <i>Journal of Materials Research</i> , 1997 , 12, 604-606	2.5	239
1413	Hybrid nanocomposites of ZIF-8 with graphene oxide exhibiting tunable morphology, significant CO ₂ uptake and other novel properties. <i>Chemical Communications</i> , 2013 , 49, 4947-9	5.8	229
1412	Extraordinary synergy in the mechanical properties of polymer matrix composites reinforced with 2 nanocarbons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 13186-9	11.5	228

1411	Novel Magnetic Properties of Graphene: Presence of Both Ferromagnetic and Antiferromagnetic Features and Other Aspects. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9982-9985	3.8	227
1410	Metal Nanowires and Intercalated Metal Layers in Single-Walled Carbon Nanotube Bundles. <i>Chemistry of Materials</i> , 2000 , 12, 202-205	9.6	227
1409	Transition Metal Oxides. <i>Annual Review of Physical Chemistry</i> , 1989 , 40, 291-326	15.7	226
1408	Influence of Cation Size on the Structural Features of $\text{Ln}_{1/2}\text{A}_{1/2}\text{MnO}_3$ Perovskites at Room Temperature. <i>Chemistry of Materials</i> , 1998 , 10, 3652-3665	9.6	220
1407	Hydrogen and ethanol sensors based on ZnO nanorods, nanowires and nanotubes. <i>Chemical Physics Letters</i> , 2006 , 418, 586-590	2.5	215
1406	Noncovalent functionalization, exfoliation, and solubilization of graphene in water by employing a fluorescent coronene carboxylate. <i>Chemistry - A European Journal</i> , 2010 , 16, 2700-4	4.8	214
1405	The liquid-liquid interface as a medium to generate nanocrystalline films of inorganic materials. <i>Accounts of Chemical Research</i> , 2008 , 41, 489-99	24.3	213
1404	Charge ordering in the rare earth manganates: the experimental situation. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, R83-R106	1.8	211
1403	Highly efficient photocatalytic hydrogen generation by solution-processed ZnO/Pt/CdS, ZnO/Pt/Cd $_{1-x}$ Zn $_x$ S and ZnO/Pt/CdS $_{1-x}$ Se $_x$ hybrid nanostructures. <i>Energy and Environmental Science</i> , 2013 , 6, 3589	35.4	209
1402	Synthesis of single-walled carbon nanotubes using binary (Fe, Co, Ni) alloy nanoparticles prepared in situ by the reduction of oxide solid solutions. <i>Chemical Physics Letters</i> , 1999 , 300, 236-242	2.5	209
1401	Chemical storage of hydrogen in few-layer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2674-7	11.5	208
1400	Electrical transport, magnetism, and magnetoresistance in ferromagnetic oxides with mixed exchange interactions: A study of the $\text{La}_{0.7}\text{Ca}_{0.3}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ system. <i>Physical Review B</i> , 1997 , 56, 1345-1353	3.3	206
1399	Giant Magnetoresistance in Bulk Samples of $\text{La}_{1-x}\text{A}_x\text{MnO}_3$ (A = Sr or Ca). <i>Journal of Solid State Chemistry</i> , 1995 , 114, 297-299	3.3	205
1398	Orbital ordering as the determinant for ferromagnetism in biferroic BiMnO_3 . <i>Physical Review B</i> , 2002 , 66,	3.3	202
1397	Surfactant-assisted synthesis of semiconductor nanotubes and nanowires. <i>Applied Physics Letters</i> , 2001 , 78, 1853-1855	3.4	199
1396	New metal disulfide nanotubes. <i>Journal of the American Chemical Society</i> , 2001 , 123, 4841-2	16.4	197
1395	Field-induced polar order at the Néel temperature of chromium in rare-earth orthochromites: Interplay of rare-earth and Cr magnetism. <i>Physical Review B</i> , 2012 , 86,	3.3	196
1394	Nitrogen- and boron-doped double-walled carbon nanotubes. <i>ACS Nano</i> , 2007 , 1, 494-500	16.7	195

1393	Nanoparticles of Ag, Au, Pd, and Cu produced by alcohol reduction of the salts. <i>Journal of Materials Research</i> , 1997 , 12, 398-401	2.5	194
1392	H ₂ S sensors based on tungsten oxide nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2008 , 128, 488-493	4.3	192
1391	Single-walled nanotubes by the pyrolysis of acetylene-organometallic mixtures. <i>Chemical Physics Letters</i> , 1998 , 293, 47-52	2.5	188
1390	The decoration of carbon nanotubes by metal nanoparticles. <i>Journal Physics D: Applied Physics</i> , 1996 , 29, 3173-3176	3	182
1389	Electrical transport in rare earth ortho-chromites, -manganites and -ferrites. <i>Journal of Physics and Chemistry of Solids</i> , 1971 , 32, 345-358	3.9	181
1388	BCN: a graphene analogue with remarkable adsorptive properties. <i>Chemistry - A European Journal</i> , 2010 , 16, 149-57	4.8	179
1387	Biferroic YCrO ₃ . <i>Physical Review B</i> , 2005 , 72,	3.3	178
1386	Hydrogen generation by water splitting using MoS ₂ and other transition metal dichalcogenides. <i>Nano Energy</i> , 2017 , 41, 49-65	17.1	176
1385	Nitrogen-containing carbon nanotubes. <i>Journal of Materials Chemistry</i> , 1997 , 7, 2335-2337		176
1384	Controlled synthesis of crystalline tellurium nanorods, nanowires, nanobelts and related structures by a self-seeding solution process. <i>Journal of Materials Chemistry</i> , 2004 , 14, 2530		175
1383	Spectroscopic Studies of the Hydrogen Bond. <i>Applied Spectroscopy Reviews</i> , 1968 , 2, 69-191	4.5	175
1382	Rare earth chromites: a new family of multiferroics. <i>Journal of Materials Chemistry</i> , 2007 , 17, 42-44		173
1381	Exploration of a Simple Universal Route to the Myriad of Open-Framework Metal Phosphates. <i>Journal of the American Chemical Society</i> , 2000 , 122, 2810-2817	16.4	173
1380	Organically-templated metal sulfates, selenites and selenates. <i>Chemical Society Reviews</i> , 2006 , 35, 375-838.5	38.5	170
1379	Nanowires, nanobelts and related nanostructures of Ga ₂ O ₃ . <i>Chemical Physics Letters</i> , 2002 , 351, 189-194.5	4.5	169
1378	Nanostructured advanced materials. Perspectives and directions. <i>Pure and Applied Chemistry</i> , 2002 , 74, 1491-1506	2.1	168
1377	Characterization of few-layer 1T-MoSe ₂ and its superior performance in the visible-light induced hydrogen evolution reaction. <i>APL Materials</i> , 2014 , 2, 092802	5.7	166
1376	Itinerant-electron ferromagnetism in La _{1-x} Sr _x CoO ₃ : A Mössbauer study. <i>Physical Review B</i> , 1975 , 12, 2832-2843	3.3	164

1375	Femtosecond carrier dynamics and saturable absorption in graphene suspensions. <i>Applied Physics Letters</i> , 2009 , 95, 191911	3.4	163
1374	Novel experiments with carbon nanotubes: opening, filling, closing and functionalizing nanotubes. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1996 , 29, 4925-4934	1.3	162
1373	Hybrid inorganic-organic materials: a new family in condensed matter physics. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 083202	1.8	161
1372	Inorganic Analogues of Graphene. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4244-4250	2.3	160
1371	Recent progress in the synthesis of inorganic nanoparticles. <i>Dalton Transactions</i> , 2012 , 41, 5089-120	4.3	159
1370	CONTRIBUTION TO THE INFRARED SPECTRA OF ORGANOSULPHUR COMPOUNDS. <i>Canadian Journal of Chemistry</i> , 1964 , 42, 36-42	0.9	157
1369	Superior performance of borocarbonitrides, B _x C _y N _z , as stable, low-cost metal-free electrocatalysts for the hydrogen evolution reaction. <i>Energy and Environmental Science</i> , 2016 , 9, 95-101	35.4	156
1368	A novel method of preparing thiol-derivatised nanoparticles of gold, platinum and silver forming superstructures. <i>Chemical Communications</i> , 1997 , 537-538	5.8	154
1367	Bundles of aligned carbon nanotubes obtained by the pyrolysis of ferrocene-hydrocarbon mixtures: role of the metal nanoparticles produced in situ. <i>Chemical Physics Letters</i> , 1999 , 307, 158-162	2.5	154
1366	Optical limiting in single-walled carbon nanotube suspensions. <i>Chemical Physics Letters</i> , 2000 , 317, 510-514	2.4	153
1365	Hydrogen storage in carbon nanotubes and related materials. <i>Journal of Materials Chemistry</i> , 2003 , 13, 209-213		152
1364	New routes to multiferroics. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4931		149
1363	Mechanism of crystal structure transformations. Part 3. Factors affecting the anatase-rutile transformation. <i>Transactions of the Faraday Society</i> , 1962 , 58, 1579-1589		149
1362	Carbon nanotubes from organometallic precursors. <i>Accounts of Chemical Research</i> , 2002 , 35, 998-1007	24.3	148
1361	Room-temperature ferromagnetism in undoped GaN and CdS semiconductor nanoparticles. <i>Physical Review B</i> , 2008 , 77,	3.3	147
1360	Raman spectra of niobium oxides. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1976 , 32, 1067-1076		147
1359	Solvothermal Synthesis, Cathodoluminescence, and Field-Emission Properties of Pure and N-Doped ZnO Nanobullets. <i>Advanced Functional Materials</i> , 2009 , 19, 131-140	15.6	143
1358	Recent Progress in the Photocatalytic Reduction of Carbon Dioxide. <i>ACS Omega</i> , 2017 , 2, 2740-2748	3.9	142

- 1357 Synthesis and Magnetic Properties of CoO Nanoparticles. *Chemistry of Materials*, **2005**, 17, 2348-2352 9.6 141
- 1356 Multiferroic properties of nanocrystalline BaTiO₃. *Solid State Communications*, **2009**, 149, 1-5 1.6 140
- 1355 Multiferroic and Magnetoelectric Oxides: The Emerging Scenario. *Journal of Physical Chemistry Letters*, **2012**, 3, 2237-46 6.4 138
- 1354 NO₂ and humidity sensing characteristics of few-layer graphenes. *Journal of Experimental Nanoscience*, **2009**, 4, 313-322 1.9 138
- 1353 Importance of trivalency and the e(g)(1) configuration in the photocatalytic oxidation of water by Mn and Co oxides. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 11704-7 11.5 137
- 1352 Interaction of nitrogen with fullerenes: nitrogen derivatives of C₆₀ and C₇₀. *The Journal of Physical Chemistry*, **1991**, 95, 10564-10565 136
- 1351 Effects of charge transfer interaction of graphene with electron donor and acceptor molecules examined using Raman spectroscopy and cognate techniques. *Journal of Physics Condensed Matter*, **2008**, 20, 472204 1.8 134
- 1350 A magic-angle spinning 31P NMR investigation of crystalline and glassy inorganic phosphates. *Chemical Physics Letters*, **1987**, 139, 96-102 2.5 134
- 1349 Zirconia nanotubes. *Chemical Communications*, **1997**, 1581-1582 5.8 133
- 1348 Electronic Raman scattering from La_{0.7}Sr_{0.3}MnO₃ exhibiting giant magnetoresistance. *Physical Review B*, **1996**, 54, 14899-14902 3.3 133
- 1347 A study of the synthetic methods and properties of graphenes. *Science and Technology of Advanced Materials*, **2010**, 11, 054502 7.1 132
- 1346 Boron nitride nanotubes and nanowires. *Chemical Physics Letters*, **2002**, 353, 345-352 2.5 130
- 1345 A study of micropores in single-walled carbon nanotubes by the adsorption of gases and vapors. *Chemical Physics Letters*, **1999**, 304, 207-210 2.5 130
- 1344 Photophysical properties of the fullerenes, C₆₀ and C₇₀. *Chemical Physics Letters*, **1992**, 195, 1-6 2.5 130
- 1343 Infrared Spectra and Configuration of Alkylthiourea Derivatives. Normal Vibrations of N,N'-Dimethyl- and Tetramethylthiourea. *Journal of the American Chemical Society*, **1967**, 89, 235-239 16.4 130
- 1342 Borocarbonitrides, B_xC_yN_z, 2D Nanocomposites with Novel Properties. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 441-468 5.1 130
- 1341 Noncovalent Synthesis of Layered and Channel Structures involving Sulfur-Mediated Hydrogen Bonds. *Journal of the American Chemical Society*, **1997**, 119, 10867-10868 16.4 129
- 1340 Infrared spectra and thermal decompositions of metal acetates and dicarboxylates. *Canadian Journal of Chemistry*, **1968**, 46, 257-265 0.9 129

1339	Use of ionic liquids in the synthesis of nanocrystals and nanorods of semiconducting metal chalcogenides. <i>Chemistry - A European Journal</i> , 2007 , 13, 6123-9	4.8	128
1338	Quenching of fluorescence of aromatic molecules by graphene due to electron transfer. <i>Chemical Physics Letters</i> , 2011 , 506, 260-264	2.5	127
1337	Charge-Ordering in Manganates. <i>Chemistry of Materials</i> , 1998 , 10, 2714-2722	9.6	127
1336	Field emission properties of boron and nitrogen doped carbon nanotubes. <i>Chemical Physics Letters</i> , 2006 , 428, 102-108	2.5	126
1335	Synthesis and characterization of silicon carbide, silicon oxynitride and silicon nitride nanowires. <i>Journal of Materials Chemistry</i> , 2002 , 12, 1606-1611		126
1334	Production of bundles of aligned carbon and carbon-nitrogen nanotubes by the pyrolysis of precursors on silica-supported iron and cobalt catalysts. <i>Chemical Physics Letters</i> , 2000 , 322, 333-340	2.5	126
1333	Absorption of electromagnetic radiation by superconducting YBa ₂ Cu ₃ O ₇ : an oxygen-induced phenomenon. <i>Journal of Physics C: Solid State Physics</i> , 1987 , 20, L559-L563		126
1332	Photoemission study of YBa ₂ Cu ₃ O ₇ through the superconducting transition: Evidence for oxygen dimerization. <i>Physical Review B</i> , 1987 , 36, 2371-2373	3.3	126
1331	Chiral Porous Metal-Organic Frameworks of Co(II) and Ni(II): Synthesis, Structure, Magnetic Properties, and CO ₂ Uptake. <i>Crystal Growth and Design</i> , 2012 , 12, 975-981	3.5	125
1330	Doping in carbon nanotubes probed by Raman and transport measurements. <i>Physical Review Letters</i> , 2007 , 99, 136803	7.4	123
1329	Mesoporous phases based on SnO ₂ and TiO ₂ . <i>Chemical Communications</i> , 1996 , 1685	5.8	123
1328	Remarkably low turn-on field emission in undoped, nitrogen-doped, and boron-doped graphene. <i>Applied Physics Letters</i> , 2010 , 97, 063102	3.4	122
1327	Effect of Compositional Fluctuations on the Phase Transitions in (Nd _{1/2} Sr _{1/2})MnO ₃ . <i>Chemistry of Materials</i> , 1999 , 11, 3528-3538	9.6	122
1326	Borocarbonitrides, B _x C _y N _z . <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5806	13	121
1325	Extraordinary supercapacitor performance of heavily nitrogenated graphene oxide obtained by microwave synthesis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 7563	13	121
1324	Films of Metal Nanocrystals Formed at Aqueous-Organic Interfaces. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 7391-7395	3.4	121
1323	Electric-field-induced melting of the randomly pinned charge-ordered states of rare-earth manganates and associated effects. <i>Physical Review B</i> , 2000 , 61, 594-598	3.3	121
1322	Solvothermal synthesis of CdO and CuO nanocrystals. <i>Chemical Physics Letters</i> , 2004 , 393, 493-497	2.5	120

1321	Sensors for the nitrogen oxides, NO ₂ , NO and N ₂ O, based on In ₂ O ₃ and WO ₃ nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2006 , 85, 241-246	2.6	118
1320	Nanotubes of Group 4 metal disulfides. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3451-4	16.4	118
1319	Fullerenes, nanotubes, onions and related carbon structures. <i>Materials Science and Engineering Reports</i> , 1995 , 15, 209-262	30.9	118
1318	Extraordinary attributes of 2-dimensional MoS ₂ nanosheets. <i>Chemical Physics Letters</i> , 2014 , 609, 172-183	3.5	117
1317	Superlattices of Metal and Metal Semiconductor Quantum Dots Obtained by Layer-by-Layer Deposition of Nanoparticle Arrays. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 399-401	3.4	116
1316	Unusual magnetic properties of graphene and related materials. <i>Chemical Science</i> , 2012 , 3, 45-52	9.4	115
1315	Extraordinary Sensitivity of the Electronic Structure and Properties of Single-Walled Carbon Nanotubes to Molecular Charge-Transfer. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 13053-13056	3.8	114
1314	Direct evidence of phase segregation and magnetic-field-induced structural transition in Nd _{0.5} Sr _{0.5} MnO ₃ by neutron diffraction. <i>Physical Review B</i> , 2000 , 61, R9229-R9232	3.3	114
1313	Use of the liquid-liquid interface for generating ultrathin nanocrystalline films of metals, chalcogenides, and oxides. <i>Journal of Colloid and Interface Science</i> , 2005 , 289, 305-18	9.3	113
1312	L3/L2 white-line intensity ratios in the electron energy-loss spectra of 3d transition-metal oxides. <i>Chemical Physics Letters</i> , 1984 , 108, 547-550	2.5	111
1311	Resistivity, giant magnetoresistance and thermopower in La _{0.7} Sr _{0.3} MnO ₃ showing a large difference in temperatures corresponding to the ferromagnetic transition and the insulator - metal transition. <i>Solid State Communications</i> , 1996 , 99, 149-152	1.6	110
1310	Charge, Spin, and Orbital Ordering in the Perovskite Manganates, Ln _{1-x} A _x MnO ₃ (Ln = Rare Earth, A = Ca or Sr). <i>Journal of Physical Chemistry B</i> , 2000 , 104, 5877-5889	3.4	109
1309	A novel open-framework zinc phosphate with intersecting helical channels. <i>Chemical Communications</i> , 1999 , 165-166	5.8	109
1308	Giant Magnetoresistance in Transition Metal Oxides. <i>Science</i> , 1996 , 272, 369-370	33.3	108
1307	Identification of the phase responsible for high-temperature superconductivity in YBaCu oxides. <i>Nature</i> , 1987 , 326, 856-857	50.4	108
1306	Weyl Semimetals as Hydrogen Evolution Catalysts. <i>Advanced Materials</i> , 2017 , 29, 1606202	24	107
1305	A building-up process in open-framework metal carboxylates that involves a progressive increase in dimensionality. <i>Angewandte Chemie - International Edition</i> , 2005 , 45, 281-5	16.4	107
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