

List of Publications by Citations

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

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|--------------------|-------------------------|----------------|-----------------|
| 136 papers | 7,168 citations | 58 h-index | 80 g-index |
| 138 ext. papers | 7,948 ext. citations | 2.8 avg, IF | 6.56 L-index |

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 136 | Theoretical Study on the Al-Doped ZnO Nanoclusters for CO Chemical Sensors. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 6398-6404 | 3.8 | 265 |
| 135 | Detection of phosgene by Sc-doped BN nanotubes: A DFT study. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 846-852 | 8.5 | 240 |
| 134 | Theoretical study of aluminum nitride nanotubes for chemical sensing of formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 1025-1029 | 8.5 | 203 |
| 133 | Effects of Al Doping and Double-Antisite Defect on the Adsorption of HCN on a BC ₂ N Nanotube: Density Functional Theory Studies. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2427-2432 | 3.8 | 176 |
| 132 | DFT study of NH ₃ adsorption on pristine, Ni- and Si-doped graphynes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2184-2190 | 2.3 | 169 |
| 131 | Sensing behavior of Al and Si doped BC ₃ graphenes to formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2013 , 181, 829-834 | 8.5 | 158 |
| 130 | Al-doped graphene-like BN nanosheet as a sensor for para-nitrophenol: DFT study. <i>Superlattices and Microstructures</i> , 2013 , 59, 115-122 | 2.8 | 151 |
| 129 | Response of Si- and Al-doped graphenes toward HCN: A computational study. <i>Applied Surface Science</i> , 2013 , 265, 412-417 | 6.7 | 130 |
| 128 | A comparative study on the B ₁₂ N ₁₂ , Al ₁₂ N ₁₂ , B ₁₂ P ₁₂ and Al ₁₂ P ₁₂ fullerene-like cages. <i>Journal of Molecular Modeling</i> , 2012 , 18, 2653-8 | 2 | 129 |
| 127 | Theoretical study of CO adsorption on the surface of BN, AlN, BP and ALP nanotubes. <i>Surface Science</i> , 2012 , 606, 981-985 | 1.8 | 125 |
| 126 | A first-principles study of the adsorption behavior of CO on Al- and Ga-doped single-walled BN nanotubes. <i>Applied Surface Science</i> , 2013 , 270, 25-32 | 6.7 | 116 |
| 125 | Selective function of Al ₁₂ N ₁₂ nano-cage towards NO and CO molecules. <i>Computational Materials Science</i> , 2012 , 62, 71-74 | 3.2 | 113 |
| 124 | Sensing behavior of BN nanosheet toward nitrous oxide: A DFT study. <i>Chinese Chemical Letters</i> , 2015 , 26, 1042-1045 | 8.1 | 112 |
| 123 | Sensing properties of BN nanotube toward carcinogenic 4-chloroaniline: A computational study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 76, 6-11 | 3 | 110 |
| 122 | Toxic CO detection by B ₁₂ N ₁₂ nanocluster. <i>Microelectronics Journal</i> , 2011 , 42, 1400-1403 | 1.8 | 103 |
| 121 | H ₂ O ₂ adsorption on the BN and SiC nanotubes: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 48, 176-180 | 3 | 100 |
| 120 | A DFT study on the functionalization of a BN nanosheet with PCX, (PC=phenyl carbamate, X=OCH ₃ , CH ₃ , NH ₂ , NO ₂ and CN). <i>Applied Surface Science</i> , 2013 , 268, 436-441 | 6.7 | 100 |

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| 119 | B12N12 Nano-cage as Potential Sensor for NO ₂ Detection. <i>Chinese Journal of Chemical Physics</i> , 2012 , 25, 60-64 | 0.9 | 100 |
| 118 | NO ₂ detection by nanosized AlN sheet in the presence of NH ₃ : DFT studies. <i>Applied Surface Science</i> , 2013 , 274, 217-220 | 6.7 | 97 |
| 117 | Adsorption and dissociation of Cl ₂ molecule on ZnO nanocluster. <i>Applied Surface Science</i> , 2012 , 258, 8171-8176 | 6.7 | 95 |
| 116 | Computational study of CO and NO adsorption on magnesium oxide nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 44, 546-549 | 3 | 88 |
| 115 | Quantum chemical study of fluorinated AlN nano-cage. <i>Applied Surface Science</i> , 2012 , 259, 631-636 | 6.7 | 86 |
| 114 | Interaction of small molecules (NO, H ₂ , N ₂ , and CH ₄) with BN nanocluster surface. <i>Structural Chemistry</i> , 2012 , 23, 1567-1572 | 1.8 | 86 |
| 113 | AlN nanotube as a potential electronic sensor for nitrogen dioxide. <i>Microelectronics Journal</i> , 2012 , 43, 452-455 | 1.8 | 84 |
| 112 | Chemisorption of NH ₃ at the open ends of boron nitride nanotubes: a DFT study. <i>Structural Chemistry</i> , 2011 , 22, 183-188 | 1.8 | 84 |
| 111 | A first-principles study of H ₂ S adsorption and dissociation on the AlN nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1963-1968 | 3 | 83 |
| 110 | Theoretical study of hydrogen adsorption on the B12P12 fullerene-like nanocluster. <i>Computational Materials Science</i> , 2012 , 54, 115-118 | 3.2 | 83 |
| 109 | The H ₂ dissociation on the BN, AlN, BP and AlP nanotubes: a comparative study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 2343-8 | 2 | 80 |
| 108 | Carbon nitride nanotube as a sensor for alkali and alkaline earth cations. <i>Applied Surface Science</i> , 2013 , 264, 699-706 | 6.7 | 80 |
| 107 | B-doping makes the carbon nanocones sensitive towards NO molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 377, 107-111 | 2.3 | 79 |
| 106 | Functionalization of BN nanosheet with N ₂ H ₄ may be feasible in the presence of StoneWales defect. <i>Structural Chemistry</i> , 2013 , 24, 1565-1570 | 1.8 | 78 |
| 105 | DFT study on the functionalization of a BN nanotube with sulfamide. <i>Applied Surface Science</i> , 2013 , 266, 182-187 | 6.7 | 78 |
| 104 | Can aluminum nitride nanotubes detect the toxic NH ₃ molecules?. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1357-1360 | 3 | 78 |
| 103 | Ab initio study of NH ₃ and H ₂ O adsorption on pristine and Na-doped MgO nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 165-170 | 1.8 | 76 |
| 102 | Interaction of NH ₃ with aluminum nitride nanotube: Electrostatic vs. covalent. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011 , 43, 1717-1719 | 3 | 76 |

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| 101 | DNA nucleobase interaction with graphene like BC3 nano-sheet based on density functional theory calculations. <i>Thin Solid Films</i> , 2015 , 589, 52-56 | 2.2 | 74 |
| 100 | A theoretical study of CO adsorption on aluminum nitride nanotubes. <i>Structural Chemistry</i> , 2012 , 23, 653-657 | 1.8 | 74 |
| 99 | Ab initio studies of the interaction of formaldehyde with beryllium oxide nanotube. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 68, 22-27 | 3 | 73 |
| 98 | A large gap opening of graphene induced by the adsorption of CO on the Al-doped site. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3007-14 | 2 | 72 |
| 97 | Benchmarking of ONIOM method for the study of NH3 dissociation at open ends of BNNTs. <i>Journal of Molecular Modeling</i> , 2012 , 18, 1729-34 | 2 | 71 |
| 96 | Adsorption of carbon monoxide on the pristine, B- and Al-doped C3N nanosheets. <i>Journal of Molecular Modeling</i> , 2015 , 21, 116 | 2 | 70 |
| 95 | Cation- π interaction of alkali metal ions with C24 fullerene: a DFT study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 3535-40 | 2 | 70 |
| 94 | Electronic sensor for sulfide dioxide based on AlN nanotubes: a computational study. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4745-50 | 2 | 70 |
| 93 | DFT studies of Si- and Al-doping effects on the acetone sensing properties of BC3 graphene. <i>Molecular Physics</i> , 2013 , 111, 3320-3326 | 1.7 | 66 |
| 92 | A computational study of AlN nanotube as an oxygen detector. <i>Chinese Chemical Letters</i> , 2012 , 23, 965-968 | 1.8 | 66 |
| 91 | Nitrate adsorption by carbon nanotubes in the vacuum and aqueous phase. <i>Monatshefte für Chemie</i> , 2012 , 143, 1623-1626 | 1.4 | 65 |
| 90 | DFT study of NO2 adsorption on the AlN nanocones. <i>Computational and Theoretical Chemistry</i> , 2013 , 1008, 20-26 | 2 | 64 |
| 89 | Hydrogen dissociation on diene-functionalized carbon nanotubes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 255-61 | 2 | 63 |
| 88 | The effect of surface curvature of aluminum nitride nanotubes on the adsorption of NH3. <i>Structural Chemistry</i> , 2011 , 22, 1261-1265 | 1.8 | 63 |
| 87 | The alkali and alkaline earth metal doped ZnO nanotubes: DFT studies. <i>Physica B: Condensed Matter</i> , 2014 , 432, 105-110 | 2.8 | 62 |
| 86 | F ⁻ Cl ⁻ Li ⁺ and Na ⁺ adsorption on AlN nanotube surface: A DFT study. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015 , 69, 75-80 | 3 | 62 |
| 85 | Density-functional calculations of HCN adsorption on the pristine and Si-doped graphynes. <i>Structural Chemistry</i> , 2014 , 25, 1-7 | 1.8 | 62 |
| 84 | Ammonia monitoring by carbon nitride nanotubes: A density functional study. <i>Thin Solid Films</i> , 2013 , 534, 650-654 | 2.2 | 62 |

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| 83 | Theoretical investigation of C60 fullerene functionalization with tetrazine. <i>Computational and Theoretical Chemistry</i> , 2012 , 992, 164-167 | 2 | 61 |
| 82 | Phenol adsorption study on pristine, Ga-, and In-doped (4,4) armchair single-walled boron nitride nanotubes. <i>Computational and Theoretical Chemistry</i> , 2012 , 997, 63-69 | 2 | 60 |
| 81 | Carbon nanocone as an ammonia sensor: DFT studies. <i>Structural Chemistry</i> , 2013 , 24, 1099-1103 | 1.8 | 58 |
| 80 | Sensing behavior of Al-rich AlN nanotube toward hydrogen cyanide. <i>Journal of Molecular Modeling</i> , 2013 , 19, 2197-203 | 2 | 58 |
| 79 | Carbon nanotube functionalization with carboxylic derivatives: a DFT study. <i>Journal of Molecular Modeling</i> , 2013 , 19, 391-6 | 2 | 58 |
| 78 | Functionalization of [60] fullerene with butadienes: A DFT study. <i>Applied Surface Science</i> , 2012 , 258, 8980-8984 | 2.7 | 55 |
| 77 | Effect of electrostatic interaction on the methylene blue and methyl orange adsorption by the pristine and functionalized carbon nanotubes. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016 , 83, 1-6 | 3 | 55 |
| 76 | ZnO Nanocluster as a Potential Catalyst for Dissociation of H2S Molecule. <i>Journal of Cluster Science</i> , 2013 , 24, 341-347 | 3 | 54 |
| 75 | A DFT study on the sensing behavior of a BC2N nanotube toward formaldehyde. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3843-50 | 2 | 46 |
| 74 | DFT study of the dissociative adsorption of HF on an AlN nanotube. <i>Comptes Rendus Chimie</i> , 2013 , 16, 985-989 | 2.7 | 46 |
| 73 | Structural and electronic properties of pyrrolidine-functionalized [60]fullerenes. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 1594-1598 | 3.9 | 45 |
| 72 | Theoretical study of carbonyl sulfide adsorption on Ag-doped SiC nanotubes. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 1071-1076 | 2 | 39 |
| 71 | Density functional study on the adsorption and dissociation of nitroamine over the nanosized tube of MgO. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014 , 62, 48-54 | 3 | 38 |
| 70 | Adsorption of H2S at Stone-Wales defects of graphene-like BC3: a computational study. <i>Molecular Physics</i> , 2014 , 112, 2737-2745 | 1.7 | 38 |
| 69 | The electronic response of nano-sized tube of BeO to CO molecule: a density functional study. <i>Structural Chemistry</i> , 2015 , 26, 809-814 | 1.8 | 38 |
| 68 | Tuning the electronic properties of C30B15N15 fullerene via encapsulation of alkali and alkali earth metals. <i>Synthetic Metals</i> , 2013 , 177, 94-99 | 3.6 | 34 |
| 67 | Hydrogen peroxide reduction in the oxygen vacancies of ZnO nanotubes. <i>Thin Solid Films</i> , 2014 , 556, 566-570 | 2.2 | 34 |
| 66 | Role of sodium decoration on the methane storage properties of BC3 nanosheet. <i>Structural Chemistry</i> , 2014 , 25, 1083-1090 | 1.8 | 34 |

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| 65 | Energetic, structural, and electronic properties of hydrogenated Al ₁₂ P ₁₂ nanocluster. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2012 , 44, 1436-1440 | 3 | 34 |
| 64 | Multivalent calix[4]arene-based fluorescent sensor for detecting silver ions in aqueous media and physiological environment. <i>Biosensors and Bioelectronics</i> , 2017 , 90, 290-297 | 11.8 | 33 |
| 63 | Formaldehyde adsorption on the interior and exterior surfaces of CN nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 1331-1337 | 1.8 | 33 |
| 62 | First-principle study of methanol adsorption on Ni (Pd)-decorated graphene. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 751-756 | 2 | 32 |
| 61 | Adsorption of Formic Acid and Formate Anion on ZnO Nanocage: A DFT Study. <i>Journal of Cluster Science</i> , 2015 , 26, 609-621 | 3 | 32 |
| 60 | A density functional study on the acidity properties of pristine and modified SiC nano-sheets. <i>Physica B: Condensed Matter</i> , 2014 , 443, 54-59 | 2.8 | 32 |
| 59 | Selective detection of F ₂ in the presence of CO, N ₂ , O ₂ , and H ₂ molecules using a ZnO nanocluster. <i>Monatshefte für Chemie</i> , 2015 , 146, 1233-1239 | 1.4 | 30 |
| 58 | Transition metal atom adsorptions on a boron nitride nanocage. <i>Structural Chemistry</i> , 2013 , 24, 1039-1044 | 1.8 | 28 |
| 57 | Ammonia borane reaction with a BN nanotube: a hydrogen storage route. <i>Monatshefte für Chemie</i> , 2014 , 145, 1083-1087 | 1.4 | 27 |
| 56 | Electronic, energetic, and structural properties of C- and Si-doped Mg ₁₂ O ₁₂ nano-cages. <i>Computational Materials Science</i> , 2013 , 79, 352-355 | 3.2 | 27 |
| 55 | Adsorption of CO molecule on AlN nanotubes by parallel electric field. <i>Journal of Molecular Modeling</i> , 2013 , 19, 859-70 | 2 | 27 |
| 54 | Exohedral and endohedral adsorption of alkaline earth cations in BN nanocluster. <i>Journal of Molecular Modeling</i> , 2013 , 19, 1445-50 | 2 | 27 |
| 53 | Theoretical Study of Thiazole Adsorption on the (6,0) zigzag Single-Walled Boron Nitride Nanotube. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3285-3292 | 1.2 | 27 |
| 52 | Arsenic interactions with a fullerene-like BN cage in the vacuum and aqueous phase. <i>Journal of Molecular Modeling</i> , 2013 , 19, 833-7 | 2 | 26 |
| 51 | Nitrous oxide adsorption on pristine and Si-doped AlN nanotubes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 943-9 | 2 | 26 |
| 50 | A density functional theory study on acetylene-functionalized BN nanotubes. <i>Structural Chemistry</i> , 2013 , 24, 1007-1013 | 1.8 | 26 |
| 49 | Hydrogen fluoride on the pristine, Al and Si doped BC ₂ N nanotubes: A computational study. <i>Computational Materials Science</i> , 2014 , 82, 197-201 | 3.2 | 25 |
| 48 | A DFT Study on CO ₂ Interaction with a BN Nano-Cage. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 3338-3342 | 1.2 | 25 |

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| 47 | Influence of antisite defect upon decomposition of nitrous oxide over graphene-analogue SiC. <i>Thin Solid Films</i> , 2014 , 552, 111-115 | 2.2 | 24 |
| 46 | Methanol-sensing characteristics of zinc oxide nanotubes: quantum chemical study. <i>Monatshefte für Chemie</i> , 2014 , 145, 1253-1257 | 1.4 | 21 |
| 45 | Working Mechanism of a BC ₃ Nanotube Carbon Monoxide Gas Sensor. <i>Communications in Theoretical Physics</i> , 2013 , 60, 113-118 | 2.4 | 21 |
| 44 | Electronic Response of Nano-sized Cages of ZnO and MgO to Presence of Nitric Oxide. <i>Chinese Journal of Chemical Physics</i> , 2013 , 26, 231-236 | 0.9 | 21 |
| 43 | First Principles Study on Encapsulation of Alkali Metals into ZnO Nanocage. <i>Chinese Journal of Chemical Physics</i> , 2012 , 25, 671-675 | 0.9 | 21 |
| 42 | Selective adsorption behavior of BC ₂ N nanotubes toward fluoride and chloride. <i>Solid State Communications</i> , 2013 , 159, 8-12 | 1.6 | 20 |
| 41 | DFT studies of Hydrogen adsorption and dissociation on MgO nanotubes. <i>Main Group Chemistry</i> , 2016 , 15, 107-116 | 0.6 | 20 |
| 40 | NH ₃ on a BC ₃ nanotube: effect of doping and decoration of aluminum. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3793-8 | 2 | 19 |
| 39 | Quantum chemical analysis on hydrogenated Zn ₁₂ O ₁₂ nanoclusters. <i>Comptes Rendus Chimie</i> , 2013 , 16, 122-128 | 2.7 | 19 |
| 38 | Fluorination of the exterior surface of AlN nanotube: A DFT study. <i>Superlattices and Microstructures</i> , 2013 , 53, 9-15 | 2.8 | 19 |
| 37 | Electronic response of BC ₃ nanotube to CS ₂ molecules: DFT studies. <i>Computational and Theoretical Chemistry</i> , 2013 , 1008, 1-7 | 2 | 18 |
| 36 | Co-adsorption of CO molecules at the open ends of MgO nanotubes. <i>Structural Chemistry</i> , 2012 , 23, 1981-1986 | 1.8 | 18 |
| 35 | Functionalization of the pristine and stone-wales defected BC ₃ graphenes with pyrene. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2539 | 2 | 17 |
| 34 | Aluminum nitride nanotubes. <i>Chemical Papers</i> , 2017 , 71, 881-893 | 1.9 | 16 |
| 33 | Theoretical Study of Phenol Adsorption on Pristine, Ga-Doped, and Pd-Decorated (6,0) Zigzag Single-Walled Boron Phosphide Nanotubes. <i>Journal of Cluster Science</i> , 2013 , 24, 49-60 | 3 | 16 |
| 32 | Capture of carbon dioxide by a nanosized tube of BeO: a DFT study. <i>Structural Chemistry</i> , 2014 , 25, 419-428 | 2.5 | 16 |
| 31 | Effect of Gallium Doping on Electronic and Structural Properties (6,0) Zigzag Silicon Carbide Nanotube as a p-Semiconductor. <i>Journal of Cluster Science</i> , 2012 , 23, 1119-1132 | 3 | 16 |
| 30 | DFT study of ozone dissociation on BC ₃ graphene with Stone-Wales defects. <i>Journal of Molecular Modeling</i> , 2014 , 20, 2071 | 2 | 15 |

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| 29 | Fluorination of BC ₃ nanotubes: DFT studies. <i>Journal of Molecular Modeling</i> , 2013 , 19, 3941-6 | 2 | 15 |
| 28 | Adsorption of nitrous oxide on the (6,0) magnesium oxide nanotube. <i>Chinese Chemical Letters</i> , 2012 , 23, 1275-1278 | 8.1 | 15 |
| 27 | First Principles Calculations of Electric Field Effect on the (6,0) Zigzag Single-Walled Silicon Carbide Nanotube for use in Nano-Electronic Circuits. <i>Journal of Cluster Science</i> , 2013 , 24, 591-604 | 3 | 14 |
| 26 | Theoretical study of cyano radical adsorption on (6,0) zigzag single-walled carbon nanotube. <i>Monatshefte für Chemie</i> , 2012 , 143, 1463-1470 | 1.4 | 14 |
| 25 | The Alkali Metal Interactions with MgO Nanotubes. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 1925-1928 | 1.2 | 14 |
| 24 | Au-decorated BN nanotube as a breathalyzer for potential medical applications. <i>Journal of Molecular Liquids</i> , 2020 , 312, 113454 | 6 | 12 |
| 23 | Exohedral functionalization of C ₆₀ by [4+2] cycloaddition of multiple anthracenes. <i>Structural Chemistry</i> , 2014 , 25, 785-791 | 1.8 | 12 |
| 22 | First-principles calculations of structural stability, electronic, and electrical responses of GeC nanotube under electric field effect for use in nanoelectronic devices. <i>Superlattices and Microstructures</i> , 2012 , 52, 1119-1130 | 2.8 | 12 |
| 21 | Electronic, Energetic, and Geometric Properties of Methylene-Functionalized C ₆₀ . <i>Journal of Cluster Science</i> , 2013 , 24, 669-678 | 3 | 12 |
| 20 | Electric field effect on the zigzag (6,0) single-wall BC ₂ N nanotube for use in nano-electronic circuits. <i>Journal of Molecular Modeling</i> , 2013 , 19, 97-107 | 2 | 11 |
| 19 | Decomposition of methanol on nanosized tube of magnesium oxide: A theoretical study. <i>Computational Materials Science</i> , 2013 , 79, 182-186 | 3.2 | 11 |
| 18 | Adsorption of Na, Mg, and Al atoms on BN nanotubes. <i>Thin Solid Films</i> , 2012 , 526, 139-142 | 2.2 | 11 |
| 17 | A theoretical study on surface modification of a nanosized BC ₃ tube using C ₂ H ₄ and its derivatives. <i>Structural Chemistry</i> , 2014 , 25, 221-229 | 1.8 | 10 |
| 16 | Electric field effect on (6,0) zigzag single-walled aluminum nitride nanotube. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4477-89 | 2 | 10 |
| 15 | Theoretical study on the functionalization of BCN nanotube with amino groups. <i>Journal of Molecular Modeling</i> , 2013 , 19, 2211-6 | 2 | 10 |
| 14 | Covalent functionalization of AlN nanotubes with acetylene. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2013 , 47, 147-151 | 3 | 8 |
| 13 | DFT study on [4+2] and [2+2] cycloadditions to [60] fullerene. <i>Chemical Papers</i> , 2014 , 68, | 1.9 | 8 |
| 12 | Adsorption and Electronic Structure Study of Imidazole on (6,0) Zigzag Single-Walled Boron Nitride Nanotube. <i>Journal of Cluster Science</i> , 2012 , 24, 31 | 3 | 8 |

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| 11 | A Theoretical Study of OH and OCH ₃ Free Radical Adsorption on a Nanosized Tube of BC ₂ N. <i>Journal of Cluster Science</i> , 2013 , 24, 1011-1020 | 3 | 6 |
| 10 | Electronic structure study of Si-doped (4,4) armchair single-walled boron phosphide nanotube as a semiconductor. <i>Monatshefte für Chemie</i> , 2012 , 143, 1627-1635 | 1.4 | 6 |
| 9 | The influence of Stone-Wales defects in nanographene on the performance of Na-ion batteries. <i>Journal of Molecular Graphics and Modelling</i> , 2020 , 98, 107578 | 2.8 | 5 |
| 8 | Adsorption of Thiophene on Aluminum Nitride Nanotubes. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 1172-1177 | 1 | 5 |
| 7 | Density Functional Study of the Adsorption of Methanol and its Derivatives on Boron Nitride Nanotubes. <i>Adsorption Science and Technology</i> , 2013 , 31, 767-776 | 3.6 | 4 |
| 6 | Application of hexa-peri-hexabenzocoronene nanographene and its B, N, and Bn doped forms in Na-ion batteries: A density functional theory study. <i>Thin Solid Films</i> , 2020 , 704, 137979 | 2.2 | 3 |
| 5 | Explosive properties of nanosized diacetone diperoxide and its nitro derivatives: a DFT study. <i>Monatshefte für Chemie</i> , 2015 , 146, 1401-1408 | 1.4 | 3 |
| 4 | Role of Diameter, Model, and Length of Boron Nitride Nanotubes in Adsorption of Formaldehyde. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 62-67 | 1.8 | 1 |
| 3 | Surface Modification of Carbon Nanotubes with Nitrenes: A DFT Study. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 326-331 | 1.8 | 1 |
| 2 | NMR and NQR study of Si-doped (6,0) zigzag single-walled aluminum nitride nanotube as n or P-semiconductors. <i>Journal of Molecular Modeling</i> , 2012 , 18, 4427-36 | 2 | 1 |
| 1 | Theoretical Study of Arsenic-Doped (6,0) Zigzag Silicon Carbide Nanotube as a N-Semiconductor. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2013 , 188, 1382-1393 | 1 | 0 |