# Mehmet Ferdi Fellah

List of Publications by Year
in descending order



| 49 | 1,091 | 394286 | 434063 |
|---|---|---|---|
| papers | citations | 19 h-index | 31 g-index |

| 50 | 50 | 50 | 1101 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pd, Ag and Rh doped (8,0) single-walled carbon nanotubes (SWCNTs): A DFT study on furan adsorption and detection. Surface Science, 2022, 715, 121939. | 0.8 | 10 |
| 2 | A Density Functional Theory study for adsorption and sensing of 5-Fluorouracil on Ni-doped boron nitride nanotube. Materials Science in Semiconductor Processing, 2022, 137, 106183. | 1.9 | 10 |
| 3 | Adsorption of SO<sub>2</sub> on Wool Fiber: An Experimental and DFT Study. Journal of Natural Fibers, 2022, 19, 1366-1375. | 1.7 | 1 |
| 4 | A DFT investigation of hydrogen adsorption and storage properties of Mg decorated IRMOF-16 structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 641, 128510. | 2.3 | 11 |
| 5 | Hydrogen adsorption on Ni doped carbon nanocone. Diamond and Related Materials, 2022, 124, 108921. | 1.8 | 9 |
| 6 | A Density Functional Theory Study on Graphene Triple Doped with Ga, Ge, P, Si, and Al. Russian Journal of Physical Chemistry A, 2022, 96, S77-S86. | 0.1 | 1 |
| 7 | Sensing properties of propylene oxide on Pt and Pd doped graphene sheets: A DFT Investigation. Sensors and Actuators A: Physical, 2022, 344, 113726. | 2.0 | 6 |
| 8 | The supramolecularly complexes of calix[4]arene derivatives toward favipiravir antiviral drug (used) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 infrared spectroscopy of adsorption and sensing. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2021, 101, 77-89. | 0.9 | 9 |
| 9 | The reduced graphene oxide/WO3: Sensing properties for NO2 gas detection at room temperature. Diamond and Related Materials, 2021, 119, 108593. | 1.8 | 10 |
| 10 | Hostâ€“guest complex properties of calix[4]arene derivatives: a DFT study of adsorption and sensing of an anticancer drug, 5-fluorouracil. Monatshefte FÃ¼r Chemie, 2021, 152, 217-228. | 0.9 | 7 |
| 11 | A DFT study on Pt doped (4,0) SWCNT: CO adsorption and sensing. Applied Surface Science, 2020, 504, 144141. | 3.1 | 73 |
| 12 | Carbon nanotubes doped with Ni, Pd and Pt: A density functional theory study of adsorption and sensing NO. Surface Science, 2020, 701, 121689. | 0.8 | 26 |
| 13 | Use of silica-based homogeneously distributed gold nickel nanohybrid as a stable nanocatalyst for the hydrogen production from the dimethylamine borane. Scientific Reports, 2020, 10, 7215. | 1.6 | 9 |
| 14 | Bimetallic platinumâ€“rhodium nanocomposites for dimethylamine borane dehydrogenation: an experimental and density functional theory study. Catalysis Science and Technology, 2020, 10, 4624-4634. | 2.1 | 5 |
| 15 | Boron and nitrogen doping in graphene: an experimental and density functional theory (DFT) study. Nano Express, 2020, 1, 010027. | 1.2 | 19 |
| 16 | A Density Functional Theory study of molecular hydrogen adsorption on Mg site in OFF type zeolite cluster. International Journal of Hydrogen Energy, 2020, 45, 34983-34992. | 3.8 | 15 |
| 17 | Acetaldehyde adsorption and detection: A density functional theory study on Al-doped graphene. Vacuum, 2020, 175, 109279. | 1.6 | 30 |
| 18 | Ga and Ge-doped graphene structures: A DFT study of sensor applications for methanol. Computational and Theoretical Chemistry, 2020, 1180, 112828. | 1.1 | 43 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Composites of Platinum-Iridium Alloy Nanoparticles and Graphene Oxide for the Dimethyl Amine Borane (DMAB) dehydrogenation at ambient conditions: An Experimental and Density Functional Theory Study. Scientific Reports, 2019, 9, 15543. | 1.6 | 7 |
| 20 | Pt doped (8,0) single wall carbon nanotube as hydrogen sensor: A density functional theory study. International Journal of Hydrogen Energy, 2019, 44, 27010-27021. | 3.8 | 41 |
| 21 | Highly monodispersed palladium-ruthenium alloy nanoparticles assembled on poly(N-vinyl-pyrrolidone) for dehydrocoupling of dimethylamineâ€“borane: An experimental and density functional theory study. Journal of Colloid and Interface Science, 2019, 546, 83-91. | 5.0 | 20 |
| 22 | Direct decarbonylation of furfural to furan: A density functional theory study on Pt-graphene. Applied Surface Science, 2017, 405, 395-404. | 3.1 | 27 |
| 23 | A density functional theory study of hydrogen adsorption on Be-, Mg-, and Ca-exchanged LTL zeolite clusters. Journal of Molecular Modeling, 2017, 23, 184. | 0.8 | 13 |
| 24 | A DFT study of hydrogen adsorption on Be, Mg and Ca frameworks in erionite zeolite. Applied Surface Science, 2017, 394, 9-15. | 3.1 | 16 |
| 25 | Adsorption of hydrogen sulfide as initial step of H2S removal: A DFT study on metal exchanged ZSM-12 clusters. Fuel Processing Technology, 2016, 144, 191-196. | 3.7 | 49 |
| 26 | A Density Functional Theory Study of NO Reduction by C3H8 Aided Selective Catalytic Reduction Method. Catalysis Letters, 2015, 145, 964-970. | 1.4 | 1 |
| 27 | Synthesis and Characterization of a New 2-{(E)-[(4-aminophenyl)imino]methyl}-6-bromo-4-chlorophenol and Its Complexes with Co (II), Ni (II), Cu (II), and Zn (II): An Experimental and DFT Study. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1337-1346. | 0.6 | 3 |
| 28 | Use of zeolites for the removal of H 2 S: A mini-review. Fuel Processing Technology, 2015, 139, 49-60. | 3.7 | 171 |
| 29 | Hydrogen adsorption on M-ZSM-12 zeolite clusters (MÂ=ÂK, Na and Li): a density functional theory study. Journal of Porous Materials, 2014, 21, 883-888. | 1.3 | 12 |
| 30 | A DFT study on the [VO]1+â€“ZSM-5 cluster: direct methanol oxidation to formaldehyde by N2O. Physical Chemistry Chemical Physics, 2013, 15, 13969. | 1.3 | 7 |
| 31 | A DFT Study of Ethylene Hydrogenation Reaction Mechanisms on Ni13 Nanocluster. Topics in Catalysis, 2013, 56, 789-793. | 1.3 | 3 |
| 32 | Density functional theory investigation of acetylene dehydrogenation on metal exchanged ZSM-5 clusters for initial step of carbon nanotube production. Microporous and Mesoporous Materials, 2013, 180, 102-108. | 2.2 | 4 |
| 33 | DFT Study of Direct Methanol Oxidation to Formaldehyde by N<sub>2</sub>O on the [Fe]<sup>2+</sup>â€“ZSM-5 Zeolite Cluster. Journal of Physical Chemistry C, 2012, 116, 13616-13622. | 1.5 | 16 |
| 34 | Epoxidation of Propylene on a [Ag14O9] Cluster Representing Ag2O (001) Surface: A Density Functional Theory Study. Catalysis Letters, 2012, 142, 22-31. | 1.4 | 10 |
| 35 | CO and NO Adsorptions on Different Iron Sites of Fe-ZSM-5 Clusters: A Density Functional Theory Study. Journal of Physical Chemistry C, 2011, 115, 1940-1951. | 1.5 | 44 |
| 36 | A DFT Study of Direct Oxidation of Benzene to Phenol by N<sub>2</sub>O over [Fe(Î¼-O)Fe]<sup>2+</sup> Complexes in ZSM-5 Zeolite. Journal of Physical Chemistry C, 2011, 115, 9668-9680. | 1.5 | 26 |

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|---|---|---|---|
| 37 | Direct oxidation of methanol to formaldehyde by N2O on [Fe]1+ and [FeO]1+ sites in Feâ€“ZSM-5 zeolite: A density functional theory study. Journal of Catalysis, 2011, 282, 191-200. | 3.1 | 25 |
| 38 | Epoxidation of Ethylene by Silver Oxide (Ag2O) Cluster: A Density Functional Theory Study. Catalysis Letters, 2011, 141, 762-771. | 1.4 | 20 |
| 39 | An ONIOM and DFT study of water adsorption on rutile TiO<sub>2</sub> (110) cluster. International Journal of Quantum Chemistry, 2011, 111, 174-181. | 1.0 | 10 |
| 40 | Câ€“H bond activation of methane on M- and MO-ZSM-5 (M=Ag, Au, Cu, Rh and Ru) clusters: A density functional theory study. Catalysis Today, 2011, 171, 52-59. | 2.2 | 19 |
| 41 | A density functional theory study of Câ€“H bond activation of methane on a bridge site of Mâ€“Oâ€“M-ZSM-5 Clusters (M = Au, Ag, Fe and Cu). Microporous and Mesoporous Materials, 2011, 138, 68-74. | 2.2 | 38 |
| 42 | A density functional theory study of ethylene adsorption on Ni10(111), Ni13(100) and Ni10(110) surface cluster models and Ni13 nanocluster. Applied Surface Science, 2010, 256, 5088-5093. | 3.1 | 23 |
| 43 | Direct gas-phase epoxidation of propylene to propylene oxide through radical reactions: A theoretical study. Chemical Physics Letters, 2010, 487, 183-189. | 1.2 | 17 |
| 44 | A density functional study of 1,1,5â€tris(4â€dimethylaminophenyl)â€3â€methylâ€divinylene. International Journal of Quantum Chemistry, 2010, 110, 1041-1047. | 1.0 | 0 |
| 45 | A Density Functional Theory Study of Direct Oxidation of Benzene to Phenol by N<sub>2</sub>O on a [FeO]<sup>1+</sup>-ZSM-5 Cluster. Journal of Physical Chemistry C, 2010, 114, 12580-12589. | 1.5 | 28 |
| 46 | Direct Methane Oxidation to Methanol by N<sub>2</sub>O on Fe- and Co-ZSM-5 Clusters with and without Water: A Density Functional Theory Study. Journal of Physical Chemistry C, 2010, 114, 3042-3051. | 1.5 | 47 |
| 47 | Oxidation of Benzene to Phenol by N<sub>2</sub>O on an Fe<sup>2+</sup>-ZSM-5 Cluster: A Density Functional Theory Study. Journal of Physical Chemistry C, 2009, 113, 15307-15313. | 1.5 | 41 |
| 48 | N2O decomposition on Fe- and Co-ZSM-5: A density functional study. Catalysis Today, 2008, 137, 410-417. | 2.2 | 58 |
| 49 | Methyl-mercaptane adsorption and sensing on Fe-/Co-graphene structures: A DFT study. Turkish Computational and Theoretical Chemistry, 0, , . | 0.5 | 0 |