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**Bsc, Msc, and Ph D chem. Eng. 1999**

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|  | An improved viscosity-temperature correlation for crude oilsET Hashim, AA HassaballahPetroleum science and technology 21 (11-12), 1625-1630 | [8](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=15717571936572194531) | 2003 |
|  | Static bottom-hole pressures in wellsET Hashim, IE MalokaPetroleum science and technology 24 (1), 113-116 | [5](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=14228579790118170845) | 2006 |
|  | Kinematic viscosity-temperature correlation for undefined petroleum fraction of a wide boiling rangeJ Shanshool, ET HashimPetroleum science and technology 19 (3-4), 257-268 | [5](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=3720039029560856614) | 2001 |
|  | Prediction of the heat of vaporization from the heat of vaporization at normal boiling pointHN Al-Shorachi, ET HashimPetroleum Science and Technology 25 (12), 1527-1530 | [3](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=282399293794055016) | 2007 |
|  | Estimation of the surface tension of a pure liquidIE Maloka, ET HashimPetroleum science and technology 22 (11-12), 1527-1534 | [3](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=15834230845434501052) | 2004 |
|  | A correlation for temperature effect on coal tar pitches and refined tars viscosityIE Maloka, ET Hashim, AA HasaballahPetroleum science and technology 22 (11-12), 1427-1433 | [3](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=1497213507733552817) | 2004 |
|  | Fitted shrinkage formula of spiked crude oilsJ Shanshool, E TalibPetroleum science and technology 20 (3-4), 435-439 | [3](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=1594025963970612737) | 2002 |
|  | Modeling of PV Module Performance under Influence of Surrounding and Essential Factors Variation using Matlab SimulinkAMA Al-Janabi, ET HashimInternational Journal of Computer Applications 130 (3), 40-44 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=3119345256940407009) | 2015 |
|  | Effect Of Dust and Shadow On The Efficiency Of Photovoltaic Solar Module at Baghdad Climate ConditionsET HashimIraqi journal of mechanical and material engineering 13 (4), 769-783 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=9197970551944394263) | 2013 |
|  | Generalized Formula for Compressibility Factor *Z*AA Saleh, ET HashimPetroleum Science and Technology 27 (13), 1503-1509 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=13199605162950482846) | 2009 |
|  | Estimation of Heat Capacity for LiquidsHN Al-Shorachi, ET HashimPetroleum Science and Technology 25 (12), 1513-1517 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=642837807231881634) | 2007 |
|  | Prediction of diffusion coefficients for binary gas systemET Hashim, HNA Al-ShorachiPetroleum Science and Technology 25 (8), 983-989 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=4364073863597366309) | 2007 |
|  | Thermal Reduction of CO2 in the Presence of H2SIE Maloka, SM Aliwi, SA NamanPetroleum science and technology 24 (1), 117-127 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=17844375979703682002) | 2006 |
|  | Prediction of Liquefied Natural Gas Density Using Peng–Robinson Equation of StateJ Shanshool, ET Hashim, AA HassaballahPetroleum science and technology 22 (3-4), 415-422 | [2](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=12898399147209844080) | 2004 |
|  | Dust Effect on the Efficiency of Silicon Mono Crystalline Solar Modules at Different Tilt Angles at Al-Jadryia Climate ConditionsET Hashim, TA HussienJournal of Engineering 22 (2), 56-73 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=5394793270099124122) | 2016 |
|  | Experimental Investigation for Small Horizontal Portable Wind Turbine of Different Blades Profiles under Laboratory ConditionsAM Rasham, ET Hashim, SA MahdiInternational Journal of Computer Applications 127 (14) | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=570964610503462558) | 2015 |
|  | A WIDE RANGE FORMULA FOR COMPRESSION FACTOR FUNCTION OF REDUCED PROPERTIESET HashimIraqi journal of mechanical and material engineering 14 (2), 240-253 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=533121051598467950) | 2014 |
|  | A generalized formula for estimating pure alkenes viscosityET Hashim, L Ghalib, H AdellPetroleum Science and Technology 30 (22), 2341-2347 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=15931737328615659874) | 2012 |
|  | Modeling of shear stress and shear strain rate of oil in water emulsionsAA Saleh, ET HashimPetroleum Science and Technology 27 (8), 777-780 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=8907001326064234501) | 2009 |
|  | Water content of natural gas in equilibruim with waterET Hashim, HN Al-ShorachiPetroleum science and technology 25 (6), 819-823 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=6816485750061983968) | 2007 |
|  | Effect of molecular weight on thermal conductivity of gasesIE Maloka, ET Hashim, SY IbrahimPetroleum science and technology 22 (11-12), 1507-1511 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=12332497239898701057) | 2004 |
|  | A generalized equation of state to predict oil-stock densityJ Shanshool, ET HashimPetroleum science and technology 19 (3-4), 269-282 | [1](https://scholar.google.com/scholar?oi=bibs&hl=en&cites=11600052659778177657) | 2001 |
|  | Modeling and Simulation of Solar Module performance using Five Parameters Model by using Matlab in Baghdad CityET Hashim, ZR TalibJournal of Engineering 24 (10), 15-31 |  | 2018 |
|  | Study of the performance of five parameter model for monocrystalline silicon photovoltaic module using a reference dataET Hashim, ZR TalibFME Transactions 46 (4), 585-594 |  | 2018 |
|  | Synchronous Buck Converter with Perturb and Observe Maximum Power Point Tracking Implemented on a Low-Cost Arduino-microcontrollerET Hashim, SAM HussienJournal of Engineering 24 (2), 16-33 |  | 2018 |
|  | Modelling and Output Power Evaluation of Series-Parallel Photovoltaic ModulesET Hashim, SQ KhazaalInternational Journal of Computer Applications 158 (8) |  | 2017 |
|  | Temperature Effect on Power Drop of Different Photovoltaic ModulesET Hahsim, AA AbboodJournal of Engineering 22 (5), 129-143 |  | 2016 |
|  | Experimental and Simulation for the Effect of Partial Shading on Solar Panel PerformanceET Hashim, AJ KhaledJournal of Engineering 22 (6), 87-99 |  | 2016 |
|  | A New Correlation for Estimating Void Fraction in a Cylindrical Packed BedRS Kamel, ET HashimPetroleum Science and Technology 31 (4), 350-354 |  | 2013 |
|  | Pressure Drop in a Horizontal Packed PipeET Hashim, RS KamelPetroleum Science and Technology 31 (3), 262-266 |  | 2013 |
|  | Characterization of photovoltaic solar Panel efficiency for requirements of urban planning at Al-Jadyria regionET Hashim, SS Jassim, SJ JbraelAl-Ma'mon College Journal, 273-281 |  | 2013 |
|  | A Predictive Equation of State for Selected Saturated GasesHA Jassim, TKF Al-Hamdi, ET HashimJournal of Engineering and Sustainable Development 16 (1), 341-347 |  | 2012 |
|  | Prediction of Enthalpy and Internal Energy of Saturated SteamSJ Al-Janabi, ET Hashim, ZD KadhimJournal of College of Education, 137-149 |  | 2011 |
|  | Generalized Formula for Estimating VUHS Saturated Steam PropertiesET Hashim, L Ghalib, YK IbrahimJournal of College of Education, 54-68 |  | 2011 |
|  | Surface Tension Estimation of Binary System of Several Organic LiquidsAA Saleh, HAA Algane, ET HashimPetroleum Science and Technology 28 (5), 469-476 |  | 2010 |
|  | Critical Volume Prediction of Select SubstancesET Hashim, YK IbrahimJournal of College of Education, 1-16 |  | 2010 |
|  | Diffusion Coefficient of a Binary Liquid SystemET Hashim, HN Al-ShorachiPetroleum Science and Technology 25 (12), 1519-1525 |  | 2007 |
|  | Estimation of the equilibrium constants for pure hydrocarbonsHNA Al-Shorachi, ET HashimPetroleum Science and Technology 25 (8), 991-994 |  | 2007 |
|  | Empirical statistical correlation for estimating solubility of natural gas in crude oilA Razzak, ET Hashim, HN Al-ShurchiPetroleum science and technology 24 (12), 1437-1440 |  | 2006 |
|  | New Statistical Concepts for Prediction Viscosity, Critical Temperature, and Critical Pressure of Homologous Hydrocarbon Series (C*n*H2*n*+2)A Razzak, ET Hashim, HN Al-ShurchiPetroleum science and technology 24 (12), 1431-1435 |  | 2006 |
|  | Viscosities of gas mixtures at low pressuresI Maloka, M Beskri, E HashimPetroleum science and technology 24 (5), 475-484 |  | 2006 |
|  | Natural convection between flat parallel platesH Al-Shorachi, ET HashimWorld renewable energy and environmental conference: abstract book |  | 2006 |
|  | Thermal-conductivity of liquid hydrocarbonsET Hashim, IE MalokaPetroleum science and technology 23 (3-4), 267-271 |  | 2005 |
|  | Single phase flow pressure drop in glass Ballotini particulate bedsSY Ibrahim, ET HashimPetroleum science and technology 22 (3-4), 381-396 |  | 2004 |
|  | Gross heat of decomposition of petroleum liquid hydrocarbonsET Hashim, LE Maloka, AA HassaballahPetroleum science and technology 22 (3-4), 447-453 |  | 2004 |
|  | Prediction enthalpy of hydrocarbon vapor at atmospheric pressureET Hashim, IE Maloka, SY IbrahimPetroleum science and technology 22 (11-12), 1513-1516 |  | 2004 |
|  | New generalized one-parameter vapor pressure formula of homologous pure hydrocarbon seriesAA Hassaballah, IE Maloka, E TalibPetroleum science and technology 21 (11-12), 1641-1648 |  | 2003 |
|  | Effects of temperature and pressure on natural gas viscosity which has different API gravitiesAA Hassaballah, ET Hashim, IE MalokaPetroleum science and technology 21 (11-12), 1631-1639 |  | 2003 |