# Kinnari H Parekh

List of Publications by Year
in descending order

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|---|---|---|---|
| 71<br>papers | 1,279<br>citations | 430874<br>18<br>h-index | 395702<br>33<br>g-index |
| 71<br>all docs | 71<br>docs citations | 71<br>times ranked | 1382<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Effect of ferrofluid magnetization on transformer temperature rise. Journal Physics D: Applied Physics, 2022, 55, 345002. | 2.8 | 8 |
| 2 | The dielectric breakdown strength of transformer oil based magnetic fluids: effect of magnetic field strength and exposure time. Journal of Materials Science: Materials in Electronics, 2022, 33, 17113-17124. | 2.2 | 4 |
| 3 | Optimization of Design Parameters Affecting the Performance of a Magnetic Fluid Rotary Seal. Arabian Journal for Science and Engineering, 2021, 46, 2343-2348. | 3.0 | 18 |
| 4 | Investigating the effect of outer layer of magnetic particles on cervical cancer cells HeLa by magnetic fluid hyperthermia. Cancer Nanotechnology, 2021, 12, . | 3.7 | 12 |
| 5 | Controllability of ferrofluidsâ€™ dielectric spectrum by means of external electric forces. Journal Physics D: Applied Physics, 2021, 54, 035303. | 2.8 | 4 |
| 6 | Preliminary in-vitro investigation of magnetic fluid hyperthermia in cervical cancer cells. Journal of Magnetism and Magnetic Materials, 2020, 497, 166057. | 2.3 | 13 |
| 7 | Two stage magnetic fluid vacuum seal for variable radial clearance. Vacuum, 2020, 172, 109087. | 3.5 | 36 |
| 8 | Contribution of the positional and orientational ordering in anisotropic particle-based MR fluids: static and dynamic rheological study. Rheologica Acta, 2020, 59, 887-904. | 2.4 | 7 |
| 9 | In vitro hyperthermic effect of magnetic fluid on cervical and breast cancer cells. Scientific Reports, 2020, 10, 15249. | 3.3 | 36 |
| 10 | Effect of $$hbox {Me}^{2+}/hbox {OH}^{-}$$ ratio in the formation of $$hbox {Mn}_{0.5}{hbox {Zn}}_{{0.5}}{hbox {Fe}}_{{2}}{hbox {O}}_{{4}}$$ nanoparticles of different sizes and shapes in association with thermomagnetic property. Pramana - Journal of Physics, 2020, 94, 1. | 1.8 | 2 |
| 11 | Evaluation of Static and Dynamic Yield Stress for Isotropic and Anisotropic Particleâ€“Based MR Fluids: Modeling and Analysis. Brazilian Journal of Physics, 2020, 50, 399-409. | 1.4 | 5 |
| 12 | Influence of Magnetic Field on the Two-Photon Absorption and Hyper-Rayleigh Scattering of Manganeseâ€“Zinc Ferrite Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 6784-6795. | 3.1 | 9 |
| 13 | Thermal conductivity of flake-shaped iron particles based magnetorheological suspension: Influence of nano-magnetic particle concentration. Journal of Magnetism and Magnetic Materials, 2020, 503, 166633. | 2.3 | 6 |
| 14 | Biosynthesis of magnetite nanoparticles: an eco-friendly and scalable approach. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2020, 11, 035014. | 1.5 | 5 |
| 15 | Response to â€œComment on: The effect of magnetic field induced aggregates on ultrasound propagation in aqueous magnetic fluid [J. Magn. Magn. Mater. 431 (2017) 74â€“78]â€• Journal of Magnetism and Magnetic Materials, 2019, 475, 796-797. | 2.3 | 0 |
| 16 | Contribution of magnetic nanoparticle in thermal conductivity of flake-shaped iron particles based magnetorheological (MR) fluid. Journal of Applied Physics, 2019, 126, 055104. | 2.5 | 7 |
| 17 | Nanocatalytic physicochemical adsorption and degradation of organic dyes. Pramana - Journal of Physics, 2019, 92, 1. | 1.8 | 6 |
| 18 | Morphological metamorphosis of magnetic nanoparticles due to the presence of rare earth atoms in the spinel structure: From spheres to cubes. Materials Chemistry and Physics, 2019, 222, 217-226. | 4.0 | 4 |

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|---|---|---|---|
| 19 | Drug prescription patterns in patients with Alzheimer's disease in an urban neuro-specialty clinic in Western India. National Journal of Physiology, Pharmacy and Pharmacology, 2019, 9, 1. | 0.1 | 1 |
| 20 | Application of Magnetic Fluid in the Energy Sector. , 2019, , 65-89. | | 0 |
| 21 | Heating efficiency dependency on size and morphology of magnetite nanoparticles. AIP Conference Proceedings, 2018, , . | 0.4 | 2 |
| 22 | Defragmentation of lysozyme derived Amyloid Î² fibril using Biocompatible Magnetic fluid. Journal of Materials Science: Materials in Medicine, 2018, 29, 171. | 3.6 | 3 |
| 23 | Design and development of large radial clearance static and dynamic magnetic fluid seal. Vacuum, 2018, 156, 325-333. | 3.5 | 24 |
| 24 | Effect of Size and Morphology on Stability and Thermal Conductivity of ZnO Nanofluid. Journal of Nanofluids, 2018, 7, 284-291. | 2.7 | 8 |
| 25 | The Effect of Magnetic Field on the Structure Formation in an Oil-Based Magnetic Fluid with Multicore Iron Oxide Nanoparticles. Journal of Nanofluids, 2018, 7, 292-299. | 2.7 | 4 |
| 26 | Effect of Particle Concentration on Lubricating Properties of Magnetic Fluid. Journal of Nanofluids, 2018, 7, 420-427. | 2.7 | 3 |
| 27 | Role of inter-particle force between micro and nano magnetic particles on the stability of magnetorheological fluid. AIP Advances, 2017, 7, . | 1.3 | 12 |
| 28 | Performance of Mn-Zn ferrite magnetic fluid in a prototype distribution transformer under varying loading conditions. International Journal of Thermal Sciences, 2017, 114, 64-71. | 4.9 | 30 |
| 29 | Temperature dependent acoustic properties of temperature sensitive magnetic fluid subjected to magnetic field. Journal of Molecular Liquids, 2017, 248, 569-576. | 4.9 | 9 |
| 30 | Nanolubricant: magnetic nanoparticle based. Materials Research Express, 2017, 4, 114003. | 1.6 | 14 |
| 31 | The effect of magnetic field induced aggregates on ultrasound propagation in aqueous magnetic fluid. Journal of Magnetism and Magnetic Materials, 2017, 431, 74-78. | 2.3 | 9 |
| 32 | Influence of crystallite size on the magnetic properties of Fe3O4 nanoparticles. Journal of Alloys and Compounds, 2016, 678, 478-485. | 5.5 | 147 |
| 33 | Mechanism of acid corrosion inhibition using magnetic nanofluid. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2016, 7, 045007. | 1.5 | 6 |
| 34 | Prevention of hot spot temperature in a distribution transformer using magnetic fluid as a coolant. International Journal of Thermal Sciences, 2016, 103, 35-40. | 4.9 | 43 |
| 35 | The effect of spherical nanoparticles on rheological properties of bi-dispersed magnetorheological fluids. AIP Conference Proceedings, 2015, , . | 0.4 | 2 |
| 36 | Ultrasonic propagation: A technique to reveal field induced structures in magnetic nanofluids. Ultrasonics, 2015, 60, 126-132. | 3.9 | 14 |

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|---|---|---|---|
| 37 | Technique to optimize magnetic response of gelatin coated magnetic nanoparticles. Journal of Materials Science: Materials in Medicine, 2015, 26, 202. | 3.6 | 13 |
| 38 | Maneuvering thermal conductivity of magnetic nanofluids by tunable magnetic fields. Journal of Applied Physics, 2015, 117, . | 2.5 | 19 |
| 39 | Effect of carrier and particle concentration on ultrasound properties of magnetic nanofluids. Ultrasonics, 2015, 55, 26-32. | 3.9 | 16 |
| 40 | Thermo-magnetic properties of ternary polydispersed Mn0.5Zn0.5Fe2O4 ferrite magnetic fluid. Solid State Communications, 2014, 187, 33-37. | 1.9 | 21 |
| 41 | UV light induced photodegradation of organic dye by ZnO nanocatalysts. AIP Conference Proceedings, 2013, , . | 0.4 | 4 |
| 42 | Ultrasonic Velocity and Rheological Measurement of Coolants. Solid State Phenomena, 2013, 209, 194-197. | 0.3 | 0 |
| 43 | Experimental investigation of thermal conductivity of magnetic nanofluids. AIP Conference Proceedings, 2012, , . | 0.4 | 18 |
| 44 | Magnetization dynamics in rare earth Gd3+ doped Mn0.5Zn0.5Fe2O4 magnetic fluid: Electron spin resonance study. Journal of Magnetic Resonance, 2012, 225, 46-51. | 2.1 | 6 |
| 45 | Surface spin-glass-like behavior of monodispersed superparamagnetic Mn0.5Zn0.5Fe2O4 magnetic fluid. Applied Physics A: Materials Science and Processing, 2012, 106, 223-228. | 2.3 | 5 |
| 46 | Investigation of Dynamic Magnetic Properties of Surfactant Coated Monodispersed Fe<SUB>3</SUB>O<SUB>4</SUB> Nanomagnetic Particles. Journal of Nanofluids, 2012, 1, 93-96. | 2.7 | 5 |
| 47 | Ac-susceptibility study in rare earth substituted magnetite ferrofluids. Physics Procedia, 2010, 9, 32-35. | 1.2 | 1 |
| 48 | Magnetic field induced enhancement in thermal conductivity of magnetite nanofluid. Journal of Applied Physics, 2010, 107, . | 2.5 | 124 |
| 49 | Static and dynamic magnetic properties of monodispersed Mn0.5Zn0.5Fe2O4 nanomagnetic particles. Journal of Applied Physics, 2010, 107, 053907. | 2.5 | 39 |
| 50 | Monodispersed Superparamagnetic Fe<SUB>3</SUB>O<SUB>4</SUB> Nanoparticles: Synthesis and Characterization. Journal of Nanoscience and Nanotechnology, 2009, 9, 2104-2110. | 0.9 | 6 |
| 51 | Structural and magnetic properties of size-controlled Mn0.5Zn0.5Fe2O4 nanoparticles and magnetic fluids. Pramana - Journal of Physics, 2009, 73, 765-780. | 1.8 | 24 |
| 52 | MehtaetÂal.Reply:. Physical Review Letters, 2008, 100, . | 7.8 | 0 |
| 53 | Experimental investigation of nearly monodispersed ternary Mn0.5Zn0.5Fe2O4 magnetic fluid. Magnetohydrodynamics, 2008, 44, 19-26. | 0.3 | 1 |
| 54 | MehtaetÂal.Reply:. Physical Review Letters, 2007, 98, . | 7.8 | 2 |

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| 55 | Maghemite Nanocrystal Impregnation by Hydrophobic Surface Modification of Mesoporous Silica. Langmuir, 2007, 23, 8838-8844. | 3.5 | 36 |
| 56 | Room temperature ferromagnetism in transition metal (V, Cr, Ti) doped In2O3. Journal of Applied Physics, 2007, 101, 09N513. | 2.5 | 92 |
| 57 | Low-field DC-magnetization study of Ho3+-doped Mnâ€“Zn ferrite ferrofluid. Journal of Magnetism and Magnetic Materials, 2007, 311, 106-110. | 2.3 | 15 |
| 58 | Spin-glass-like magnetic ordering in Zn substituted magnetite magnetic fluids. Journal of Magnetic Resonance, 2007, 187, 314-319. | 2.1 | 3 |
| 59 | Ternary monodispersed Mn0.5Zn0.5Fe2O4ferrite nanoparticles: preparation and magnetic characterization. Nanotechnology, 2006, 17, 5970-5975. | 2.6 | 44 |
| 60 | Experimental Evidence of Zero Forward Scattering by Magnetic Spheres. Physical Review Letters, 2006, 96, 127402. | 7.8 | 56 |
| 61 | Effect of rare-earth Ho ion substitution on magnetic properties of Fe3O4 magnetic fluids. Journal of Applied Physics, 2006, 99, 08M906. | 2.5 | 18 |
| 62 | Field-induced diffraction patterns in a magneto-rheological suspension. Journal of Magnetism and Magnetic Materials, 2005, 289, 311-313. | 2.3 | 12 |
| 63 | Magnetic and Rheological Characterization of Fe3O4 Ferrofluid: Particle Size Effects. Hyperfine Interactions, 2005, 160, 211-217. | 0.5 | 19 |
| 64 | Magnetically textured ferrofluid in a non-magnetic matrix: Magnetic properties. Bulletin of Materials Science, 2004, 27, 163-168. | 1.7 | 6 |
| 65 | Magneto-Optical Effects in Temperature-Sensitive Ferrofluids. Applied Optics, 2004, 43, 3619. | 2.1 | 12 |
| 66 | Spin-glass transition in a model magnetic fluid:â€ƒElectron spin resonance investigation ofMn0.5Zn0.5Fe2O4nanoparticles dispersed in kerosene. Physical Review B, 2003, 68, . | 3.2 | 21 |
| 67 | Influence of magnetic anisotropy constant and particle domain magnetization on magneto-dielectric response of substituted manganese ferrite particles dispersed in kerosene. Journal of Magnetism and Magnetic Materials, 2001, 234, 90-94. | 2.3 | 3 |
| 68 | Magnetocaloric effect in temperature-sensitive magnetic fluids. Bulletin of Materials Science, 2000, 23, 91-95. | 1.7 | 18 |
| 69 | Electron spin resonance study of a temperature sensitive magnetic fluid. Journal of Applied Physics, 2000, 88, 2799-2804. | 2.5 | 35 |
| 70 | Gd-substituted ferrite ferrofluid: a possible candidate to enhance pyromagnetic coefficient. Journal of Magnetism and Magnetic Materials, 1999, 201, 129-132. | 2.3 | 65 |
| 71 | Monodispersed Magnetic Fluids: Synthesis and Characterization. Solid State Phenomena, 0, 155, 155-162. | 0.3 | 7 |