

# Mohammad Yaseen Ahmad

## List of Publications by Year in descending order

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27  
papers

282  
citations

840119

11  
h-index

940134

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docs citations

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times ranked

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citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Hydrophilic Biocompatible Poly(Acrylic Acid-co-Maleic Acid) Polymer as a Surface-Coating Ligand of Ultrasmall Gd <sub>2</sub> O <sub>3</sub> Nanoparticles to Obtain a High r <sub>1</sub> Value and T <sub>1</sub> MR Images. <i>Diagnostics</i> , 2021, 11, 2.   | 1.3 | 28        |
| 2  | Gadolinium Neutron Capture Therapy (GdNCT) Agents from Molecular to Nano: Current Status and Perspectives. <i>ACS Omega</i> , 2022, 7, 2533-2553.  | 1.6 | 24        |
| 3  | In Vivo Positive Magnetic Resonance Imaging Applications of Poly(methyl vinyl ether-alt-maleic) Tj ETQq1 1 0.784314 rgBT /Overlock   | 1.7 | 22        |
| 4  | <i>In vivo</i> neutron capture therapy of cancer using ultrasmall gadolinium oxide nanoparticles with cancer-targeting ability. <i>RSC Advances</i> , 2020, 10, 865-874.   | 1.7 | 20        |
| 5  | Magnetic resonance imaging, gadolinium neutron capture therapy, and tumor cell detection using ultrasmall Gd <sub>2</sub> O <sub>3</sub> nanoparticles coated with polyacrylic acid-rhodamine B as a multifunctional tumor theragnostic agent. <i>RSC Advances</i> , 2018, 8, 12653-12665.   | 1.7 | 19        |
| 6  | Synthesis, characterization, and X-ray attenuation properties of polyacrylic acid-coated ultrasmall heavy metal oxide (Bi <sub>2</sub> O <sub>3</sub> , Yb <sub>2</sub> O <sub>3</sub> , NaTaO <sub>3</sub> , Dy <sub>2</sub> O <sub>3</sub> , and Gd <sub>2</sub> O <sub>3</sub> ) nanoparticles as potential CT contrast agents. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 576, 73-81. | 2.3 | 19        |
| 7  | Carbon-coated ultrasmall gadolinium oxide (Gd <sub>2</sub> O <sub>3</sub> @C) nanoparticles: Application to magnetic resonance imaging and fluorescence properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124261.   | 2.3 | 19        |
| 8  | d-Glucuronic Acid-Coated Ultrasmall Paramagnetic Ln <sub>2</sub> O <sub>3</sub> (Ln = Tb, Dy, and Ho) Nanoparticles: Magnetic Properties, Water Proton Relaxivities, and Fluorescence Properties. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3832-3839.  | 1.0 | 16        |
| 9  | Cyclic RGD- $\epsilon$ -Coated Ultrasmall Gd <sub>2</sub> O <sub>3</sub> Nanoparticles as Tumor-Targeting Positive Magnetic Resonance Imaging Contrast Agents. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3070-3079.   | 1.0 | 15        |
| 10 | Synthesis, Characterizations, and 9.4 Tesla T <sub>2</sub> MR Images of Polyacrylic Acid-Coated Terbium(III) and Holmium(III) Oxide Nanoparticles. <i>Nanomaterials</i> , 2021, 11, 1355.  | 1.9 | 15        |
| 11 | Functionalized Lanthanide Oxide Nanoparticles for Tumor Targeting, Medical Imaging, and Therapy. <i>Pharmaceutics</i> , 2021, 13, 1890.  | 2.0 | 13        |
| 12 | Polyaspartic Acid-Coated Paramagnetic Gadolinium Oxide Nanoparticles as a Dual-Modal T <sub>1</sub> and T <sub>2</sub> Magnetic Resonance Imaging Contrast Agent. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 8222.  | 1.3 | 11        |
| 13 | A Novel Paramagnetic Nanoparticle $\langle \text{sc} \rangle \text{T}_{2} \langle / \text{sc} \rangle$ Magnetic Resonance Imaging Contrast Agent With High Colloidal Stability: Polyacrylic $\langle \text{sc} \rangle$ Acid- $\epsilon$ -Coated $\langle / \text{sc} \rangle$ Ultrafine Dysprosium Oxide Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2020, 41, 829-836.                                   | 1.0 | 9         |
| 14 | New Class of Efficient T <sub>2</sub> Magnetic Resonance Imaging Contrast Agent: Carbon-Coated Paramagnetic Dysprosium Oxide Nanoparticles. <i>Pharmaceutics</i> , 2020, 13, 312.  | 1.7 | 8         |
| 15 | Synthesis, Characterization, and Enhanced Cancer-Imaging Application of Trans- $\epsilon$ -activator of Transcription Peptide- $\epsilon$ -conjugated Ultrasmall Gadolinium Oxide Nanoparticles. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 435-441.   | 1.0 | 7         |
| 16 | In Vivo Positive Magnetic Resonance Imaging of Brain Cancer (U87MG) Using Folic Acid-Conjugated Polyacrylic Acid-Coated Ultrasmall Manganese Oxide Nanoparticles. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2596.  | 1.3 | 7         |
| 17 | Facile synthesis of stable colloidal suspension of amorphous carbon nanoparticles in aqueous medium and their characterization. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 120, 96-103.   | 1.9 | 5         |
| 18 | X-ray Attenuation Properties of Ultrasmall Yb <sub>2</sub> O <sub>3</sub> Nanoparticles as a High-Performance CT Contrast Agent. <i>Journal of the Korean Physical Society</i> , 2019, 74, 286-291.  | 0.3 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | D-Glucuronic Acid-Coated Ultrasmall Bi <sub>2</sub> O <sub>3</sub> Nanoparticles for CT Imaging. Journal of Nanoscience and Nanotechnology, 2020, 20, 4638-4642.  | 0.9 | 4         |
| 20 | Enhanced Tumor Imaging Using Glucosamine-Conjugated Polyacrylic Acid-Coated Ultrasmall Gadolinium Oxide Nanoparticles in Magnetic Resonance Imaging. International Journal of Molecular Sciences, 2022, 23, 1792.   | 1.8 | 4         |
| 21 | Mono and Multiple Tumor-Targeting Ligand-Coated Ultrasmall Gadolinium Oxide Nanoparticles: Enhanced Tumor Imaging and Blood Circulation. Pharmaceutics, 2022, 14, 1458.   | 2.0 | 4         |
| 22 | Polyethylenimine-Coated Ultrasmall Holmium Oxide Nanoparticles: Synthesis, Characterization, Cytotoxicities, and Water Proton Spin Relaxivities. Nanomaterials, 2022, 12, 1588.   | 1.9 | 3         |
| 23 | Size-controlled one-pot polyol synthesis and characterization of D-glucuronic acid-coated ultrasmall BiOI nanoparticles as potential x-ray contrast agent. Materials Research Express, 2019, 6, 015039.   | 0.8 | 2         |
| 24 | Chitosan Oligosaccharide Lactate-Coated Ultrasmall Gadolinium Oxide Nanoparticles: Synthesis, <i>In Vitro</i> Cytotoxicity, and Relaxometric Properties. Journal of Nanoscience and Nanotechnology, 2021, 21, 4145-4150.  | 0.9 | 2         |
| 25 | Paramagnetic ultrasmall Ho <sub>2</sub> O <sub>3</sub> and Tm <sub>2</sub> O <sub>3</sub> nanoparticles: characterization of <i>r<sub>2</sub></i> values and <i>in vivo</i> T <sub>2</sub> MR images at a 3.0 T MR field. Materials Advances, 2022, 3, 5857-5870. | 2.6 | 1         |
| 26 | Synthesis, MR Relaxivities, and <i>In Vitro</i> Cytotoxicity of 3,5-Diiodo-L-tyrosine-Coated Gd <sub>2</sub> O <sub>3</sub> Nanoparticles. BioNanoScience, 2019, 9, 179-185.  | 1.5 | 0         |
| 27 | Synthesis, Biocompatibility, and Relaxometric Properties of Heavily Loaded Apoferritin with D-Glucuronic Acid-Coated Ultrasmall Gd <sub>2</sub> O <sub>3</sub> Nanoparticles. BioNanoScience, 2021, 11, 380-389.  | 1.5 | 0         |