

# Hasan Ahmad

## List of Publications by Year in descending order

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55  
papers

852  
citations

516215

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552369

26  
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55  
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docs citations

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times ranked

947  
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#	ARTICLE	IF	CITATIONS
1	Synthesis of Biomimetic Poly(2-(methacryloyloxy)ethyl phosphorylcholine) Nanolatexes via Atom Transfer Radical Dispersion Polymerization in Alcohol/Water Mixtures. <i>Macromolecules</i> , 2010, 43, 6321-6329.	2.2	67
2	Magnetically doped multi stimuli-responsive hydrogel microspheres with IPN structure and application in dye removal. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 459, 39-47.	2.3	65
3	Biocompatible microcrystalline cellulose particles from cotton wool and magnetization via a simple in situ co-precipitation method. <i>Carbohydrate Polymers</i> , 2017, 170, 72-79.	5.1	43
4	Preparation of Micrometer-Sized, Monodisperse Janus-Composite Polymer Particles Having Temperature-Sensitive Polymer Brushes at Half of the Surface by Seeded Atom Transfer Radical Polymerization. <i>Langmuir</i> , 2008, 24, 688-691.	1.6	41
5	Ag impregnated sub-micrometer crystalline jute cellulose particles: Catalytic and antibacterial properties. <i>Carbohydrate Polymers</i> , 2020, 233, 115842.	5.1	35
6	Core-shell structured epoxide functional NiO/SiO <sub>2</sub> nanocomposite particles and photocatalytic decolorization of congo red aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 783-792.	2.3	34
7	Celluloses as support materials for antibacterial agents: a review. <i>Cellulose</i> , 2021, 28, 2715-2761.	2.4	34
8	Mesoporous magnetic silica particles modified with stimuli-responsive P(NIPAM- <i>b</i> -DMA) valve for controlled loading and release of biologically active molecules. <i>Soft Matter</i> , 2018, 14, 5469-5479.	1.2	30
9	Silica coating of iron oxide magnetic nanoparticles by reverse microemulsion method and their functionalization with cationic polymer P(NIPAm-co-AMPTMA) for antibacterial vancomycin immobilization. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125857.	2.3	29
10	Incorporation of iron oxide nanoparticles into temperature-responsive poly (N-isopropylacrylamide-co-acrylic acid) P (NIPAAm-AA) polymer hydrogel. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	26
11	Single step modification of micrometer-sized polystyrene particles by electromagnetic polyaniline and sorption of chromium(VI) metal ions from water. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47524.	1.3	26
12	Synthesis of Biocompatible Sterically-Stabilized Poly(2-(methacryloyloxy)ethyl phosphorylcholine) Latexes via Dispersion Polymerization in Alcohol/Water Mixtures. <i>Langmuir</i> , 2009, 25, 11442-11449.	1.6	25
13	Preparation and characterization of magnetic $\gamma$ -Al <sub>2</sub> O <sub>3</sub> ceramic nanocomposite particles with variable Fe <sub>3</sub> O <sub>4</sub> content and modification with epoxide functional polymer. <i>Ceramics International</i> , 2018, 44, 3951-3959.	2.3	25
14	A simple route to synthesize conductive stimuli-responsive polypyrrole nanocomposite hydrogel particles with strong magnetic properties and their performance for removal of hexavalent chromium ions from aqueous solution. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 412, 15-22.	1.0	22
15	Magnetically responsive antibacterial nanocrystalline jute cellulose nanocomposites with moderate catalytic activity. <i>Carbohydrate Polymers</i> , 2021, 251, 117024.	5.1	18
16	Supported nanocatalysts: recent developments in microwave synthesis for application in heterogeneous catalysis. <i>Materials Advances</i> , 2022, 3, 859-887.	2.6	17
17	Magnetic and temperature-sensitive composite polymer particles and adsorption behavior of emulsifiers and trypsin. <i>Macromolecular Research</i> , 2008, 16, 637-643.	1.0	16
18	Mesoporous electromagnetic composite particles: Electric current responsive release of biologically active molecules and antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 85-93.	2.5	16

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19	Hydrophobic poly(lauryl methacrylate)-coated magnetic nano-composite particles for removal of organic pollutants. <i>Polymers for Advanced Technologies</i> , 2015, 26, 408-413.	1.6	15
20	Composite polymer particles with stimuli-responsive surface properties and specific activity of adsorbed/released trypsin. <i>Colloid and Polymer Science</i> , 2007, 285, 715-720.	1.0	14
21	Cationic polyelectrolyte grafted mesoporous magnetic silica composite particles for targeted drug delivery and thrombolysis. <i>Materialia</i> , 2020, 11, 100676.	1.3	14
22	Celluloses as Green Support of Palladium Nanoparticles for Application in Heterogeneous Catalysis: A Brief Review. <i>Journal of Cluster Science</i> , 2022, 33, 421-438.	1.7	14
23	Novel Magnetically Doped Epoxide Functional Cross-linked Hydrophobic Poly(lauryl methacrylate) Composite Polymer Particles for Removal of As(III) from Aqueous Solution. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 7747-7756.	1.8	13
24	Mesoporous amine functionalized SiO <sub>2</sub> supported Cu nanocatalyst and a kinetic-mechanistic degradation study of azo dyes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126403.	2.3	13
25	Magnetic Polyaniline Composites: Recent Developments in Preparation, Properties and Applications. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 155-170.	0.2	13
26	Nickel decorated melamine-formaldehyde resin/polyaniline composites for high specific capacitance. <i>Materials Chemistry and Physics</i> , 2020, 249, 122957.	2.0	12
27	Biocomposites of synthetic polymer modified microcrystalline jute cellulose particles and their hemolytic behavior. <i>Cellulose</i> , 2019, 26, 8713-8727.	2.4	11
28	Structural conformation of biomolecules released from temperature-sensitive composite polymer particles - a study by circular dichroism. <i>Colloid and Polymer Science</i> , 2002, 280, 310-315.	1.0	10
29	Influence of the third monomer on lauryl methacrylate-methyl methacrylate emulsion terpolymerization. <i>Colloid and Polymer Science</i> , 2013, 291, 2111-2120.	1.0	10
30	Surface modification of temperature-responsive polymer particles by an electrically conducting polyaniline shell layer. <i>Polymer International</i> , 2014, 63, 667-673.	1.6	10
31	Cumulative effect of hydrophobic PLMA and surface epoxide groups in composite polymer particles on adsorption behavior of congo red and direct red-75. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4989-4999.	2.3	10
32	Amine functional silica-supported bimetallic Cu-Ni nanocatalyst and investigation of some typical reductions of aromatic nitro-substituents. <i>Colloid and Polymer Science</i> , 2022, 300, 279-296.	1.0	10
33	Vancomycin conjugated iron oxide nanoparticles for magnetic targeting and efficient capture of Gram-positive and Gram-negative bacteria. <i>RSC Advances</i> , 2021, 11, 36319-36328.	1.7	10
34	Magnetite incorporated amine-functional SiO <sub>2</sub> support for bimetallic Cu-Ni alloy nanoparticles produced highly effective nanocatalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129044.	2.3	10
35	A simple <i>in situ</i> synthesis of iron oxide magnetic nanoparticles embedded in thermosensitive polymer for DNA capture. <i>Journal of Materials Research</i> , 2020, 35, 2441-2450.	1.2	9
36	Novel carboxyl functional spherical electromagnetic polypyrrole nanocomposite polymer particles with good magnetic and conducting properties. <i>Polymer International</i> , 2016, 65, 1179-1186.	1.6	8

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37	A facile one-pot synthesis of poly(acrylic acid)-functionalized magnetic iron oxide nanoparticles for suppressing reactive oxygen species generation and adsorption of biocatalyst. <i>Materials Research Express</i> , 2020, 7, 016102.	0.8	8
38	Synthesis and characterization of dual-responsive micrometer-sized core-shell composite polymer particles. <i>Polymers for Advanced Technologies</i> , 2008, 19, 181-185.	1.6	7
39	Zwitterionic poly(2-(methacryloyloxy) ethyl phosphorylcholine) coated mesoporous silica particles and doping with magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 80-87.	2.3	7
40	&lt;&gt;A Special Issue on&lt;&gt; Polymer and Hybrid Particles for Biomedical Applications. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 153-154.	0.2	7
41	Preparation of hydrophobic polymer particles by radical polymerization and subsequent modification into magnetically doped particles. <i>Journal of Applied Polymer Science</i> , 2013, 127, 620-627.	1.3	6
42	Biocompatible SiO <sub>2</sub> in the Fabrication of Stimuli-Responsive Hybrid Composites and Their Application Potential. <i>Journal of Chemistry</i> , 2015, 2015, 1-19.	0.9	6
43	Encapsulation of submicron-sized silica particles by stimuli-responsive copolymer shell layer. <i>Macromolecular Research</i> , 2010, 18, 247-253.	1.0	5
44	Epoxide functionalized $\text{Al}_2\text{O}_3/\text{Fe}_3\text{O}_4/\text{SiO}_2$ nanocomposite and comparative adsorption behavior of a model reactive azo dye. <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 1239-1252.	1.1	5
45	Monodispersed Carboxylated Composite Polymer Microspheres and Physical Immobilization of Biomolecules. <i>Polymer Journal</i> , 2007, 39, 428-434.	1.3	4
46	Magnetite loaded cross-linked polystyrene composite particles prepared by modified suspension polymerization and their potential use as adsorbent for arsenic(III). <i>Macromolecular Research</i> , 2017, 25, 671-679.	1.0	4
47	Evaluating the performance of citric acid as stabilizer and doping agent in an environment friendly approach to prepare electromagnetic nanocomposite particles. <i>Polymer Composites</i> , 2018, 39, 4628-4636.	2.3	4
48	Carboxyl functionalized poly(methyl methacrylate-acrylic acid-ethylene glycol dimethacrylate) copolymer particles and their amination with amine-nucleophiles. <i>E-Polymers</i> , 2008, 8, .	1.3	3
49	Carboxylic acid modified pH-responsive composite polymer particles. <i>Journal of Polymer Engineering</i> , 2019, 39, 671-678.	0.6	3
50	Precipitation polymerization in mixed monomer solvent droplets. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	2
51	Physico-chemical, Antioxidant and Antimicrobial Investigation on New Mixed Ligand Complexes Containing bis(2,4,4-trimethylpentyl)dithiophosphinic acid and 2,2'-bipyridine. <i>Oriental Journal of Chemistry</i> , 2018, 34, 1213-1221.	0.1	2
52	Activity of Trypsin Adsorbed on Temperature and pH-Responsive Micron-Sized PS/P(NIPAM-MAA-MBAAm) Composite Polymer Particles. <i>Journal of Applied Sciences</i> , 2008, 8, 352-357.	0.1	2
53	Solvency effect of the dispersion medium on the radical polymerization of styrene in non-aqueous dispersion media. <i>E-Polymers</i> , 2007, 7, .	1.3	1
54	A generalized technique for the encapsulation of nano-sized NiO particles by styrene-co-hydroxyethyl methacrylate copolymer. <i>Polymers for Advanced Technologies</i> , 2015, 26, 1047-1052.	1.6	1

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55	Emulsion copolymerization of hydrophobic and hydrophilic monomers: an experimental study with styrene and 2- hydroxyethyl methacrylate. E-Polymers, 2006, 6, .	1.3	0