

# Syed Hadi Hasan

## List of Publications by Year in descending order

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42  
papers

2,229  
citations

147801

31  
h-index

265206

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g-index

42  
all docs

42  
docs citations

42  
times ranked

2852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Fluorescent Carbon Quantum Dots from <i>Azadirachta indica</i> Leaves and Their Peroxidase-Mimetic Activity for the Detection of $H_2O_2$ and Ascorbic Acid in Common Fresh Fruits. ACS Biomaterials Science and Engineering, 2019, 5, 623-632.	5.2	138
2	Green synthesis of fluorescent carbon quantum dots for the detection of mercury( $^{II}$ ) and glutathione. New Journal of Chemistry, 2018, 42, 5814-5821.	2.8	135
3	Mustard seeds derived fluorescent carbon quantum dots and their peroxidase-like activity for colorimetric detection of $H_2O_2$ and ascorbic acid in a real sample. Analytica Chimica Acta, 2019, 1054, 145-156.	5.4	125
4	Synthesis of CuO nanoparticles through green route using Citrus limon juice and its application as nanosorbent for Cr(VI) remediation: Process optimization with RSM and ANN-GA based model. Chemical Engineering Research and Design, 2015, 96, 156-166.	5.6	95
5	Effective removal of lead ions using graphene oxide-MgO nanohybrid from aqueous solution: Isotherm, kinetic and thermodynamic modeling of adsorption. Journal of Environmental Chemical Engineering, 2017, 5, 2259-2273.	6.7	94
6	Effective removal of Fluoride ions by rGO/ZrO <sub>2</sub> nanocomposite from aqueous solution: Fixed bed column adsorption modelling and its adsorption mechanism. Journal of Fluorine Chemistry, 2017, 194, 40-50.	1.7	87
7	Effective removal of fluoride from water by coconut husk activated carbon in fixed bed column: Experimental and breakthrough curves analysis. Groundwater for Sustainable Development, 2018, 7, 48-55.	4.6	80
8	Peroxidase mimetic activity of fluorescent NS-carbon quantum dots and their application in colorimetric detection of $H_2O_2$ and glutathione in human blood serum. Journal of Materials Chemistry B, 2018, 6, 5256-5268.	5.8	76
9	An Investigation and Comparison of Removing Heavy Metals (Lead and Chromium) from Aqueous Solutions Using Magnesium Oxide Nanoparticles. Polish Journal of Environmental Studies, 2016, 25, 557-562.	1.2	74
10	Photo-induced biosynthesis of silver nanoparticles using aqueous extract of <i>Erigeron bonariensis</i> and its catalytic activity against Acridine Orange. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 39-50.	3.8	72
11	Enhanced electron transfer mediated detection of hydrogen peroxide using a silver nanoparticle-“reduced graphene oxide”-polyaniline fabricated electrochemical sensor. RSC Advances, 2018, 8, 619-631.	3.6	68
12	Batch and continuous biosorption of $Cu^{2+}$ by immobilized biomass of <i>Arthrobacter</i> sp.. Journal of Environmental Management, 2009, 90, 3313-3321.	7.8	66
13	Polylysine Functionalized Graphene Aerogel for the Enhanced Removal of Cr(VI) through Adsorption: Kinetic, Isotherm, and Thermodynamic Modeling of the Process. Journal of Chemical & Engineering Data, 2017, 62, 1732-1742.	1.9	66
14	Photo-catalyzed and phyto-mediated rapid green synthesis of silver nanoparticles using herbal extract of <i>Salvinia molesta</i> and its antimicrobial efficacy. Journal of Photochemistry and Photobiology B: Biology, 2016, 155, 51-59.	3.8	64
15	Green synthesis of silver nanoparticle for the selective and sensitive colorimetric detection of mercury (II) ion. Journal of Photochemistry and Photobiology B: Biology, 2017, 168, 67-77.	3.8	64
16	Bright-blue-emission nitrogen and phosphorus-doped carbon quantum dots as a promising nanoprobe for detection of Cr( $^{VI}$ ) and ascorbic acid in pure aqueous solution and in living cells. New Journal of Chemistry, 2018, 42, 12990-12997.	2.8	59
17	Photo-induced rapid biosynthesis of silver nanoparticle using aqueous extract of <i>Xanthium strumarium</i> and its antibacterial and antileishmanial activity. Journal of Industrial and Engineering Chemistry, 2016, 37, 224-236.	5.8	55
18	Synthesis and characterization of rGO/ZrO <sub>2</sub> nanocomposite for enhanced removal of fluoride from water: kinetics, isotherm, and thermodynamic modeling and its adsorption mechanism. RSC Advances, 2016, 6, 87523-87538.	3.6	55

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19	Sunlight-induced green synthesis of silver nanoparticles using aqueous leaf extract of <i>Polyalthia longifolia</i> and its antioxidant activity. <i>Materials Letters</i> , 2016, 181, 371-377.	2.6	53
20	Kinetic, isotherm and thermodynamic studies of adsorption behaviour of CNT/CuO nanocomposite for the removal of As( $\text{As}(\text{III})$ ) and As( $\text{As}(\text{V})$ ) from water. <i>RSC Advances</i> , 2016, 6, 1218-1230.	3.6	50
21	Size-Dependent Synthesis of Gold Nanoparticles and Their Peroxidase-Like Activity for the Colorimetric Detection of Glutathione from Human Blood Serum. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7662-7675.	6.7	50
22	Photo-mediated optimized synthesis of silver nanoparticles for the selective detection of Iron(III), antibacterial and antioxidant activity. <i>Materials Science and Engineering C</i> , 2017, 71, 1004-1019.	7.3	46
23	A Facile and Simple Strategy for the Synthesis of Label Free Carbon Quantum Dots from the <i>Euphorbia milii</i> and Its Peroxidase-Mimic Activity for the Naked Eye Detection of Glutathione in a Human Blood Serum. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1923-1932.	6.7	46
24	Breakthrough curve modeling of graphene oxide aerogel packed fixed bed column for the removal of Cr(VI) from water. <i>Journal of Water Process Engineering</i> , 2017, 18, 150-158.	5.6	42
25	Photoinduced green synthesis of silver nanoparticles using aqueous extract of <i>Physalis angulata</i> and its antibacterial and antioxidant activity. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 744-756.	6.7	42
26	Photoinduced green synthesis of silver nanoparticles with highly effective antibacterial and hydrogen peroxide sensing properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 374-385.	3.8	41
27	Nitrogen/sulfur-co-doped carbon quantum dots: a biocompatible material for the selective detection of picric acid in aqueous solution and living cells. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3753-3763.	3.7	39
28	Synthesis of highly fluorescent nitrogen-rich carbon quantum dots and their application for the turn-off detection of cobalt (II). <i>Optical Materials</i> , 2019, 92, 311-318.	3.6	37
29	Nitrogen doped fluorescent carbon quantum dots for on-off-on detection of $\text{Hg}^{2+}$ and glutathione in aqueous medium: Live cell imaging and IMPLICATION logic gate operation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112042.	3.9	36
30	Synthesis of fluorescent carbon quantum dots from <i>Jatropha</i> fruits and their application in fluorometric sensor for the detection of chlorpyrifos. <i>Microchemical Journal</i> , 2022, 172, 106953.	4.5	35
31	Highly fluorescent carbon dots from wheat bran as a novel drug delivery system for bacterial inhibition. <i>Luminescence</i> , 2020, 35, 913-923.	2.9	33
32	Preparation of CuO nanoparticles using <i>Tamarindus indica</i> pulp extract for removal of As(III): Optimization of adsorption process by ANN-GA. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 1302-1318.	6.7	31
33	Modeling of adsorption behavior of the amine-rich GOPEI aerogel for the removal of As( $\text{As}(\text{III})$ ) and As( $\text{As}(\text{V})$ ) from aqueous media. <i>RSC Advances</i> , 2016, 6, 56684-56697.	3.6	30
34	Biosynthesis of silver nanoparticles from the novel strain of <i>Streptomyces</i> Sp. BHUMBU-80 with highly efficient electroanalytical detection of hydrogen peroxide and antibacterial activity. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 5624-5635.	6.7	30
35	Modelling of fixed bed column containing graphene oxide decorated by MgO nanocubes as adsorbent for Lead(II) removal from water. <i>Journal of Water Process Engineering</i> , 2017, 17, 216-228.	5.6	25
36	Enhanced Biosorptive Remediation of Hexavalent Chromium Using Chemotailored Biomass of a Novel Soil Isolate <i>Bacillus aryabhatai</i> ITBHU02: Process Variables Optimization through Artificial Neural Network Linked Genetic Algorithm. <i>Industrial &amp; Engineering Chemistry Research</i> , 2014, 53, 3669-3681.	3.7	22

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37	Off-on detection of glutathione based on the nitrogen, sulfur codoped carbon quantum dots@MnO nano-composite in human lung cancer cells and blood serum. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 398, 112558.	3.9	21
38	The fabrication and characterization of a supramolecular Cu-based metallogel thin-film based Schottky diode. New Journal of Chemistry, 2021, 45, 6273-6280.	2.8	19
39	Synthesis of green fluorescent carbon quantum dots from the latex of <i>Ficus benghalensis</i> for the detection of tyrosine and fabrication of Schottky barrier diode. New Journal of Chemistry, 2021, 45, 12549-12556.	2.8	13
40	Pyrene-fluorescein-based colour-tunable AIE-active hybrid fluorophore material for potential live cell imaging applications. New Journal of Chemistry, 2017, 41, 5114-5120.	2.8	9
41	A Facile Synthesis of Green-Blue Carbon Dots from Artocarpus lakoocha Seeds and Their Application for the Detection of Iron (III) in Biological Fluids and Cellular Imaging. ChemistrySelect, 2019, 4, 12252-12259.	1.5	5
42	Coordination polymeric fluorescent gel: effect of removal of branch substituents of the central core over properties. Journal of Coordination Chemistry, 2019, 72, 1537-1546.	2.2	1