

# Murvet Volkan

## List of Publications by Year in descending order

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47  
papers

1,468  
citations

361413

20  
h-index

315739

38  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium(0) nanoparticles supported on silica-coated cobalt ferrite: A highly active, magnetically isolable and reusable catalyst for hydrolytic dehydrogenation of ammonia borane. <i>Applied Catalysis B: Environmental</i> , 2014, 147, 387-393.	20.2	139
2	A Novel Acetylcholinesterase Biosensor: Core-Shell Magnetic Nanoparticles Incorporating a Conjugated Polymer for the Detection of Organophosphorus Pesticides. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 8058-8067.	8.0	120
3	Copper(0) Nanoparticles Supported on Silica-Coated Cobalt Ferrite Magnetic Particles: Cost Effective Catalyst in the Hydrolysis of Ammonia-Borane with an Exceptional Reusability Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3866-3873.	8.0	96
4	Pre-concentration of some trace metals from sea water on a mercapto-modified silica gel. <i>Analyst</i> , 1987, 112, 1409.	3.5	79
5	New Approach for the Surface Enhanced Resonance Raman Scattering (SERRS) Detection of Dopamine at Picomolar (pM) Levels in the Presence of Ascorbic Acid. <i>Analytical Chemistry</i> , 2012, 84, 7729-7735.	6.5	79
6	Selective pre-concentration of arsenite on mercapto-modified silica gel. <i>Analyst</i> , 1987, 112, 159.	3.5	75
7	Surface-enhanced Raman scattering (SERS) studies on silver nanorod substrates. <i>Sensors and Actuators B: Chemical</i> , 2009, 139, 150-155.	7.8	70
8	Flow injection fluorescence determination of dopamine using a photo induced electron transfer (PET) boronic acid derivative. <i>Analytica Chimica Acta</i> , 2005, 547, 104-108.	5.4	63
9	Surface-Enhanced Raman of Dopamine and Neurotransmitters Using Sol-Gel Substrates and Polymer-Coated Fiber-Optic Probes. <i>Applied Spectroscopy</i> , 2000, 54, 1842-1848.	2.2	60
10	Preparation and characterization of polymer coated superparamagnetic magnetite nanoparticle agglomerates. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 860-866.	4.0	57
11	Selective pre-concentration of selenite from aqueous samples using mercapto-silica. <i>Talanta</i> , 2003, 60, 1003-1009.	5.5	48
12	Ruthenium(0) nanoparticles supported on magnetic silica coated cobalt ferrite: Reusable catalyst in hydrogen generation from the hydrolysis of ammonia-borane. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 253-261.	4.8	46
13	Cloud point preconcentration of germanium and determination by hydride generation atomic absorption spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 1073-1080.	2.9	42
14	Speciation of selenium in vitamin tablets using spectrofluorometry following cloud point extraction. <i>Food Chemistry</i> , 2011, 129, 1793-1799.	8.2	42
15	Investigation of acetyl ferrocene migration from hydroxyl-terminated polybutadiene based elastomers by means of ultraviolet-visible and atomic absorption spectroscopic techniques. <i>Journal of Applied Polymer Science</i> , 2005, 96, 1654-1661.	2.6	37
16	Preparation of silica coated cobalt ferrite magnetic nanoparticles for the purification of histidine-tagged proteins. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 87, 64-71.	4.0	32
17	Speciation and preconcentration of inorganic tellurium from waters using a mercaptosilica microcolumn and determination by hydride generation atomic absorption spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2000, 15, 1599-1605.	3.0	30
18	Cellular uptake, genotoxicity and cytotoxicity of cobalt ferrite magnetic nanoparticles in human breast cells. <i>Toxicology Research</i> , 2016, 5, 1649-1662.	2.1	27

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19	Sample Preparation for Arsenic, Copper, Iron, and Lead Determination in Sugar. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 173-177.	5.2	22
20	Preconcentration of germanium on mercapto-modified silica gel. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2000, 55, 1063-1071.	2.9	22
21	2-Amino-2-deoxy-glucose conjugated cobalt ferrite magnetic nanoparticle (2DG-MNP) as a targeting agent for breast cancer cells. <i>Environmental Toxicology and Pharmacology</i> , 2016, 41, 272-278.	4.0	20
22	Selenium speciation in chicken breast samples from inorganic and organic selenium fed chickens using high performance liquid chromatography-inductively coupled plasma-mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2018, 71, 28-35.	3.9	20
23	Fiber optic sensors using novel substrates for hydrogen sulfide determination by solid surface fluorescence. <i>Talanta</i> , 2000, 53, 89-101.	5.5	18
24	Evaluation of Dissolution Methods in the Presence of High Chloride Content for the Determination of Germanium in Geological Matrices by Hydride Generation Atomic Absorption Spectrometry.. <i>Analytical Sciences</i> , 2001, 17, 559-560.	1.6	18
25	Speciation of Selenium in Supplements by High Performance Liquid Chromatography-Inductively Coupled Plasma-Mass Spectrometry. <i>Analytical Letters</i> , 2015, 48, 1511-1523.	1.8	18
26	Carboligation reactions with benzaldehyde lyase immobilized on superparamagnetic solid support. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1658.	2.8	17
27	EF2-kinase targeted cobalt-ferrite siRNA-nanotherapy suppresses <i>BRCA1</i> -mutated breast cancer. <i>Nanomedicine</i> , 2019, 14, 2315-2338.	3.3	17
28	Determination of selenium in diet by Zeeman effect graphite furnace atomic absorption spectrometry for calculation of daily dietary intakes. <i>Journal of Agricultural and Food Chemistry</i> , 1991, 39, 2180-2183.	5.2	16
29	Preparation and characterization of surface modified $\hat{1}^3\text{-Fe}_2\text{O}_3$ (maghemite)â€silica nanocomposites used for the purification of benzaldehyde lyase. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 968-973.	4.0	16
30	A novel sorbent tube for ambient hydrogen sulfide determination. <i>Talanta</i> , 1998, 47, 585-593.	5.5	13
31	Preparation and labeling of surface-modified magnetoferritin protein cages with a rhenium( $\text{sc}p$ ) carbonyl complex for magnetically targeted radiotherapy. <i>RSC Advances</i> , 2016, 6, 8860-8869.	3.6	13
32	Preparation and Characterization of Ni-Nitrilotriacetic Acid Bearing Poly(Methacrylic Acid) Coated Superparamagnetic Magnetite Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 695-701.	0.9	12
33	Ag nanostructures on a poly(3,4-ethylenedioxythiophene) film prepared with electrochemical route: A controllable roughened SERS substrate with high repeatability and stability. <i>Electrochimica Acta</i> , 2012, 85, 220-227.	5.2	11
34	Influence of ultrasonically assisted synthesis on particle size of magnetic nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1426-1432.	4.0	10
35	Effect of nitric acid for equal stabilization and sensitivity of different selenium species in electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2005, 547, 126-131.	5.4	9
36	Rapid Synthesis and Characterization of Maghemite Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 861-866.	0.9	9

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37	Silver Nanoparticle-Doped Polyvinyl Alcohol Coating as a Medium for Surface-Enhanced Raman Scattering Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 955-960.	0.9	9
38	Germanium determination by flame atomic absorption spectrometry: An increased vapor pressure-chloride generation system. <i>Talanta</i> , 2011, 84, 122-126.	5.5	9
39	The potential application of gold-apoferritin nanocages conjugated with 2-amino-2-deoxy-glucose for imaging of breast cancer cells. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 1139-1152.	2.6	7
40	Cellular uptake and apoptotic potential of rhenium labeled magnetic protein cages in MDA-MB-231 cells. <i>Environmental Toxicology and Pharmacology</i> , 2018, 63, 127-134.	4.0	6
41	Development of a solid-phase microextraction LC-MS/MS method for determination of oxidative stress biomarkers in biofluids. <i>Journal of Separation Science</i> , 2020, 43, 1925-1933.	2.5	6
42	Hydrogen sulfide determination by solid surface luminescence. <i>Analytical and Bioanalytical Chemistry</i> , 1996, 355, 667-671.	3.7	5
43	Synthesis of $N$ -polyethereal polypyrroles and their application for the preconcentration of rare earth ions. <i>Journal of Applied Polymer Science</i> , 2008, 108, 2707-2711.	2.6	2
44	Abstract 1125: Eukaryotic Elongation Factor 2 Kinase (eEF-2K) is a novel therapeutic target in BRCA1+ mutated breast cancer. , 2017, , .		1
45	Aotf-Based Remote Sensor with SOL-GEL Probe. <i>Instrumentation Science and Technology</i> , 1999, 27, 343-355.	1.8	0
46	Genotoxicity of cobalt ferrite nanoparticles on MDA-231 cells using Comet assay. <i>Toxicology Letters</i> , 2012, 211, S206.	0.8	0
47	Gold-assembled silica-coated cobalt nanoparticles as efficient magnetic separation units and surface-enhanced Raman scattering substrate. <i>Turkish Journal of Chemistry</i> , 2019, 43, 307-318.	1.2	0