

Sergio Hiroshi Toma

List of Publications by Year in descending order

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43
papers

843
citations

471509

17
h-index

501196

28
g-index

45
all docs

45
docs citations

45
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	The coordination chemistry at gold nanoparticles. Journal of the Brazilian Chemical Society, 2010, 21, 1158-1176.	0.6	98
2	Titanium dioxide induced inflammation in the small intestine. World Journal of Gastroenterology, 2012, 18, 4729.	3.3	93
3	Highly stabilized alpha-NiCo(OH) ₂ nanomaterials for high performance device application. Journal of Power Sources, 2012, 218, 1-4.	7.8	48
4	{trans-1,4-Bis[(4-pyridyl)ethenyl]benzene}(2,2'-bipyridine)ruthenium(II) Complexes and Their Supramolecular Assemblies with β -Cyclodextrin. Inorganic Chemistry, 2004, 43, 3521-3527.	4.0	40
5	A highly efficient redox chromophore for simultaneous application in a photoelectrochemical dye sensitized solar cell and electrochromic devices. New Journal of Chemistry, 2005, 29, 320-324.	2.8	37
6	Probing the binding of tetraplatinum(pyridyl)porphyrin complexes to DNA by means of surface plasmon resonance. Journal of Inorganic Biochemistry, 2009, 103, 182-189.	3.5	35
7	Versatile electrochromic displays based on TiO ₂ nanoporous films modified with triruthenium clusters. Electrochemistry Communications, 2006, 8, 1628-1632.	4.7	34
8	Unravelling the Chemical Morphology of a Mesoporous Titanium Dioxide Interface by Confocal Raman Microscopy: New Clues for Improving the Efficiency of Dye Solar Cells and Photocatalysts. Langmuir, 2009, 25, 11269-11271.	3.5	30
9	Synthesis, spectroscopy, tandem mass spectrometry, and electrochemistry of the linearly bridged $\frac{1}{4}$ -{trans-1,4-bis[2-(4-pyridyl)ethenyl]-benzene}-[Ru ₃ O(CH ₃ COO) ₆ (py) ₂] ₂ cluster. Inorganica Chimica Acta, 2004, 357, 2253-2260.	2.4	27
10	Selective host-guest interactions on mesoporous TiO ₂ films modified with carboxymethyl- β -cyclodextrin. Surface Science, 2006, 600, 4591-4597.	1.9	27
11	Controlled Stabilization and Flocculation of Gold Nanoparticles by Means of 2-Pyrazin-2-ylethanethiol and Pentacyanidoferrate(II) Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 3356-3364.	2.0	27
12	Ultrasmall cationic superparamagnetic iron oxide nanoparticles as nontoxic and efficient MRI contrast agent and magnetic-targeting tool. International Journal of Nanomedicine, 2015, 10, 4731.	6.7	24
13	Pushing the surface-enhanced Raman scattering analyses sensitivity by magnetic concentration: A simple non core-shell approach. Analytica Chimica Acta, 2015, 855, 70-75.	5.4	24
14	Polymethine cyanine dyes in β -cyclodextrin solution: multiple equilibria and chemical oxidation. Journal of Physical Organic Chemistry, 2010, 23, 893-903.	1.9	23
15	Silver recovery using electrochemically active magnetite coated carbon particles. Hydrometallurgy, 2014, 147-148, 241-245.	4.3	23
16	Exploring the coordination chemistry of isomerizable terpyridine derivatives for successful analyses of cis and trans isomers by travelling wave ion mobility mass spectrometry. Analyst, The, 2012, 137, 4045.	3.5	22
17	Direct synthesis of magnetite nanoparticles from iron(II) carboxymethylcellulose and their performance as NMR contrast agents. Journal of Magnetism and Magnetic Materials, 2016, 397, 28-32.	2.3	22
18	Superparamagnetic iron oxide nanoparticles (SPIONs) conjugated with lipase <i>Candida antarctica</i> A for biodiesel synthesis. RSC Advances, 2020, 10, 38490-38496.	3.6	16

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19	Effect of silver nanoparticle and TiO ₂ coatings on biofilm formation on four types of modern glass. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 175-180.	3.9	15
20	Supramolecular Approach to Gold Nanoparticle/Triruthenium Cluster Hybrid Materials and Interfaces. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 1640-1648.	2.0	13
21	Improving stability of iron oxide nanofluids for enhanced oil recovery: Exploiting wettability modifications in carbonaceous rocks. <i>Journal of Petroleum Science and Engineering</i> , 2022, 212, 110311.	4.2	13
22	Direct assembly of a metallodendrimer encompassing seven triruthenium clusters units. <i>Inorganica Chimica Acta</i> , 2012, 390, 148-153.	2.4	12
23	Electrochemically activated coordinative assembly of a triruthenium cluster metallopolymer. <i>Electrochimica Acta</i> , 2012, 66, 287-294.	5.2	11
24	Key role of surface concentration on reproducibility and optimization of SERS sensitivity. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 1190-1195.	2.5	11
25	On the behavior of the carboxyphenylterpyridine(8-quinolinolate) thiocyanatoruthenium(II) complex as a new black dye in TiO ₂ solar cells modified with carboxymethyl-beta-cyclodextrin. <i>Inorganic Chemistry Communication</i> , 2013, 36, 35-38.	3.9	10
26	Thermodynamic stabilization of nanostructured alpha-Ni _{1-x} Co _x (OH) ₂ for high efficiency batteries and devices. <i>RSC Advances</i> , 2013, 3, 20261.	3.6	10
27	Can mass dissociation patterns of transition-metal complexes be predicted from electrochemical data?. <i>Journal of Mass Spectrometry</i> , 2009, 44, 361-367.	1.6	9
28	Bovine Serum Albumin Conjugated Gold-198 Nanoparticles as Model To Evaluate Damage Caused by Ionizing Radiation to Biomolecules. <i>ACS Applied Nano Materials</i> , 2018, 1, 5062-5070.	5.0	9
29	Superparamagnetic Carbon Electrodes: A Versatile Approach for Performing Magnetic Coupled Electrochemical Analysis of Mercury Ions. <i>Electroanalysis</i> , 2011, 23, 2569-2573.	2.9	8
30	Nitric oxide inhibition of lipopolysaccharide-stimulated RAW 247.6 cells by ibuprofen-conjugated iron oxide nanoparticles. <i>Nanomedicine</i> , 2020, 15, 2475-2492.	3.3	8
31	Phosphotungstic acid impregnated niobium coated superparamagnetic iron oxide nanoparticles as recyclable catalyst for selective isomerization of terpenes. <i>RSC Advances</i> , 2021, 11, 14203-14212.	3.6	8
32	<i>In vivo</i> evaluation of toxicity and anti-inflammatory activity of iron oxide nanoparticles conjugated with ibuprofen. <i>Nanomedicine</i> , 2021, 16, 741-758.	3.3	8
33	Bovine glutamate dehydrogenase immobilization on magnetic nanoparticles: conformational changes and catalysis. <i>RSC Advances</i> , 2016, 6, 12977-12992.	3.6	7
34	Investigation of interfacial processes at tetraruthenated zinc porphyrin films using electrochemical surface plasmon resonance and electrochemical quartz crystal microbalance. <i>Electrochimica Acta</i> , 2009, 54, 2971-2976.	5.2	6
35	Anisotropic magnetic carbon materials based on graphite and magnetite nanoparticles. <i>Carbon</i> , 2014, 77, 600-606.	10.3	6
36	Surface Enhanced Raman Spectroelectrochemistry of a μ_4 -Oxo Triruthenium Acetate Cluster: An Experimental and Theoretical Approach. <i>Inorganic Chemistry</i> , 2015, 54, 9656-9663.	4.0	6

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37	Accessing the charge separation effects in dye-sensitized solar cells based on a vectorial planning of supramolecular ruthenium dyes. <i>Inorganica Chimica Acta</i> , 2016, 453, 764-770.	2.4	6
38	Probing surface-complex interactions with the bis(4-thienylterpyridine)iron(II) complex anchored on TiO ₂ and gold nanoparticles. <i>Canadian Journal of Chemistry</i> , 2014, 92, 918-924.	1.1	5
39	The Effect of -Cyclodextrin Inclusion on the Morphology of [Ru(bpy) ₂ Cl(BPEB)](PF ₆) Films by Scanning Force Microscopy. <i>Microscopy and Microanalysis</i> , 2005, 11, 142-145.	0.4	3
40	Unveiling Anomalous Surface-Enhanced Resonance Raman Scattering on an Oxo-Triruthenium Acetate Cluster Complex by a Theoretical-Experimental Approach. <i>Journal of Physical Chemistry C</i> , 2020, 124, 21674-21683.	3.1	3
41	SPION-decorated organofunctionalized MCM48 silica-based nanocomposites for magnetic solid-phase extraction. <i>Materials Advances</i> , 2021, 2, 963-973.	5.4	3
42	Triangular ruthenium acetate clusters containing the bis(pyridyl)propane ligand and their inclusion chemistry with β -cyclodextrin. <i>Transition Metal Chemistry</i> , 2011, 36, 775-783.	1.4	2
43	Gold Nanoparticle/Tetrapyrrolylporphyrin Hybrid Material: Spectroscopic and Electrocatalytic Properties and Sensor Application. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	0