

Ivan Sondi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/693696/publications.pdf>

Version: 2024-02-01

46
papers

7,252
citations

304743

22
h-index

254184

43
g-index

47
all docs

47
docs citations

47
times ranked

10914
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver nanoparticles as antimicrobial agent: a case study on <i>E. coli</i> as a model for Gram-negative bacteria. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 177-182.	9.4	4,925
2	Preparation of highly concentrated stable dispersions of uniform silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2003, 260, 75-81.	9.4	387
3	Preparation of Uniform Needle-Like Aragonite Particles by Homogeneous Precipitation. <i>Journal of Colloid and Interface Science</i> , 1999, 218, 545-553.	9.4	262
4	Preparation and the mechanisms of formation of silver particles of different morphologies in homogeneous solutions. <i>Journal of Colloid and Interface Science</i> , 2005, 288, 489-495.	9.4	191
5	Encapsulation of Nanosized Silica by in Situ Polymerization of tert-Butyl Acrylate Monomer. <i>Langmuir</i> , 2000, 16, 9031-9034.	3.5	151
6	Homogeneous Precipitation of Calcium Carbonates by Enzyme Catalyzed Reaction. <i>Journal of Colloid and Interface Science</i> , 2001, 238, 208-214.	9.4	124
7	Preparation of Aminodextran-CdS Nanoparticle Complexes and Biologically Active Antibody-Aminodextran-CdS Nanoparticle Conjugates. <i>Langmuir</i> , 2000, 16, 3107-3118.	3.5	116
8	Electrokinetics of Pure Clay Minerals Revisited. <i>Journal of Colloid and Interface Science</i> , 1996, 178, 514-522.	9.4	115
9	Homogeneous Precipitation by Enzyme-Catalyzed Reactions. 2. Strontium and Barium Carbonates. <i>Chemistry of Materials</i> , 2003, 15, 1322-1326.	6.7	93
10	The surface properties of clay minerals modified by intensive dry milling – revisited. <i>Applied Clay Science</i> , 2010, 48, 575-580.	5.2	85
11	Influence of the Primary Structure of Enzymes on the Formation of CaCO ₃ Polymorphs: A Comparison of Plant (<i>Canavalia ensiformis</i>) and Bacterial (<i>Bacillus pasteurii</i>) Ureases. <i>Langmuir</i> , 2005, 21, 8876-8882.	3.5	81
12	Electrokinetic Potentials of Clay Surfaces Modified by Polymers. <i>Journal of Colloid and Interface Science</i> , 1997, 189, 66-73.	9.4	76
13	Whiting events and the formation of aragonite in Mediterranean Karstic Marine Lakes: new evidence on its biologically induced inorganic origin. <i>Sedimentology</i> , 2010, 57, 85-95.	3.1	51
14	Synthesis of CdSe nanoparticles in the presence of aminodextran as stabilizing and capping agent. <i>Journal of Colloid and Interface Science</i> , 2004, 275, 503-507.	9.4	49
15	The electrokinetic properties of carbonates in aqueous media revisited. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 342, 84-91.	4.7	43
16	Mechanisms of land-sea interactions – the distribution of metals and sedimentary organic matter in sediments of a river-dominated Mediterranean karstic estuary. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 80, 12-20.	2.1	40
17	Biomimetic Precipitation of Nanostructured Colloidal Calcite Particles by Enzyme-Catalyzed Reaction in the Presence of Magnesium Ions. <i>Crystal Growth and Design</i> , 2008, 8, 435-441.	3.0	37
18	Particulates and the environmental capacity for trace metals. <i>Science of the Total Environment</i> , 1994, 155, 173-185.	8.0	34

#	ARTICLE	IF	CITATIONS
19	Synthesis and characterization of calcite and aragonite in polyol liquids: Control over structure and morphology. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 221-226.	9.4	33
20	Surface properties of ripidolite and beidellite clays modified by high-energy ball milling. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1997, 127, 141-149.	4.7	28
21	Sedimentation in a disequilibrium river-dominated estuary: the Rasa River Estuary (Adriatic Sea.) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	3.1	26
22	Electrokinetics of Natural and Mechanically Modified Ripidolite and Beidellite Clays. <i>Journal of Colloid and Interface Science</i> , 1996, 181, 463-469.	9.4	26
23	Colloid-chemical processes in the growth and design of the bio-inorganic aragonite structure in the scleractinian coral <i>Cladocora caespitosa</i> . <i>Journal of Colloid and Interface Science</i> , 2011, 354, 181-189.	9.4	22
24	Mineralogical, organic and isotopic composition as palaeoenvironmental records in the lake sediments of two lakes, the Plitvice Lakes, Croatia. <i>Quaternary International</i> , 2018, 494, 300-313.	1.5	21
25	Formation and morphogenesis of a cuttlebone's aragonite biomineral structures for the common cuttlefish (<i>Sepia officinalis</i>) on the nanoscale: Revisited. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 95-104.	9.4	20
26	Preparation of Nanosized Drug Particles by the Coating of Inorganic Cores: Naproxen and Ketoprofen on Alumina. <i>Journal of Colloid and Interface Science</i> , 2002, 251, 284-287.	9.4	18
27	Geochemistry of sedimentary organic matter and trace elements in modern lake sediments from transitional karstic land-sea environment of the Neretva River delta (Kuti Lake, Croatia). <i>Quaternary International</i> , 2018, 494, 286-299.	1.5	17
28	Mineralogy, surface properties and electrokinetic behaviour of kaolin clays from the naturally occurring pegmatite deposits. <i>Geologia Croatica</i> , 2015, 68, 139-145.	0.8	17
29	Homogeneous Precipitation of Mixed Anhydrous Ca ²⁺ Mg and Ba ²⁺ Sr Carbonates by Enzyme-Catalyzed Reaction. <i>Crystal Growth and Design</i> , 2005, 5, 1933-1938.	3.0	15
30	Deposition of trace metals in sediments of the deltaic plain and adjacent coastal area (the Neretva) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	3.2	15
31	Geochemistry of recent aragonite-rich sediments in Mediterranean karstic marine lakes: Trace elements as pollution and palaeoredox proxies and indicators of authigenic mineral formation. <i>Chemosphere</i> , 2017, 168, 786-797.	8.2	15
32	Investigating the molybdenum and uranium redox proxies in a modern shallow anoxic carbonate rich marine sediment setting of the Malo Jezero (Mljet Lakes, Adriatic Sea). <i>Chemical Geology</i> , 2020, 533, 119441.	3.3	14
33	The Mineralogical Characteristics of the Lamboglia 2 Roman-Age Amphorae from the Central Adriatic (Croatia)*. <i>Archaeometry</i> , 2003, 45, 251-262.	1.3	13
34	Size-related mineralogical and surface physicochemical properties of the mineral particles from the recent sediments of the Eastern Adriatic Sea. <i>Chemosphere</i> , 2020, 249, 126531.	8.2	13
35	Formation and properties of nanostructured colloidal manganese oxide particles obtained through the thermally controlled transformation of manganese carbonate precursor phase. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 35-42.	9.4	11
36	Impact of iron oxides and soil organic matter on the surface physicochemical properties and aggregation of Terra Rossa and Calcocambisol subsoil horizons from Istria (Croatia). <i>Catena</i> , 2019, 183, 104184.	5.0	10

#	ARTICLE	IF	CITATIONS
37	Geochemical conditions for the preservation of recent aragonite-rich sediments in Mediterranean karstic marine lakes (Mljet Island, Adriatic Sea, Croatia). <i>Marine and Freshwater Research</i> , 2010, 61, 119.	1.3	9
38	Precipitation of monodispersed basic iron(III) sulfate (sodium jarosite) particles. <i>Colloid and Polymer Science</i> , 2001, 279, 161-165.	2.1	8
39	Activity concentrations and distribution of radionuclides in surface and core sediments of the Neretva Channel (Adriatic Sea, Croatia). <i>Geologia Croatica</i> , 2013, 66, 143-150.	0.8	8
40	Origin and history of trace elements accumulation in recent Mediterranean sediments under heavy human impact. A case study of the Boka Kotorska Bay (Southeast Adriatic Sea). <i>Marine Pollution Bulletin</i> , 2022, 179, 113702.	5.0	8
41	A novel concept in the growth and design of anhydrous carbonate minerals: nano-scale aggregation mechanisms. <i>Geologia Croatica</i> , 2011, 64, 61-65.	0.8	6
42	Origin and composition of sediments in a highly stratified karstic estuary: An example of the Zrmanja River estuary (eastern Adriatic). <i>Regional Studies in Marine Science</i> , 2017, 16, 67-78.	0.7	5
43	Calcium phosphate and calcium carbonate mineralization of bioinspired hydrogels based on β -chitin isolated from biomineral of the common cuttlefish (<i>Sepia officinalis</i> , L.). <i>Journal of Polymer Research</i> , 2018, 25, 1.	2.4	5
44	Encapsulated inorganic resist technology. , 2000, 3999, 627.		4
45	Encapsulated inorganic resist technology applied to 157-nm lithography. , 2001, , .		4
46	A Biomimetic Nano-Scale Aggregation Route for the Formation of Submicron-Size Colloidal Calcite Particles. , 0, , .		1