Mehdi Mazaheri

List of Publications by Year
in descending order

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67 papers	2,742 citations	185998 28 h-index	182168 51 g-index
68 all docs	68 docs citations	68 times ranked	3162 citing authors

#	Article	IF	Citations
1	An innovative framework for real-time monitoring of pollutant point sources in river networks. Stochastic Environmental Research and Risk Assessment, 2022, 36, 1791-1818.	1.9	2
2	Tunable optical response and fast (slow) light in optomechanical system with phonon pump. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 442, 128181.	0.9	19
3	Evaluation of management practices on agricultural nonpoint source pollution discharges into the rivers under climate change effects. Science of the Total Environment, 2022, 838, 156643.	3.9	54
4	Mathematical model of solute transport in rivers with storage zones using nonlinear dispersion flux approach. Hydrological Sciences Journal, 2022, 67, 1656-1668.	1.2	3
5	Introducing a new method for calculating the spatial and temporal distribution of pollutants in rivers. International Journal of Environmental Science and Technology, 2021, 18, 3777-3794.	1.8	7
6	The effect of neglecting spatial variations of the parameters in pollutant transport modeling in rivers. Environmental Fluid Mechanics, 2021, 21, 587-603.	0.7	3
7	Inverse modeling of contaminant transport for pollution source identification in surface and groundwaters: a review. Groundwater for Sustainable Development, 2021, 15, 100651.	2.3	21
8	Shoreline spatial and temporal response to natural and human effects in Boujagh National Park, Iran. International Journal of Sediment Research, 2021, 36, 582-592.	1.8	1
9	A developed theoretical model for effective electrical conductivity and percolation behavior of polymer-graphene nanocomposites with various exfoliated filleted nanoplatelets. Carbon, 2020, 169, 264-275.	5.4	32
10	Prediction of electrical conductivity of polymer-graphene nanocomposites by developing an analytical model considering interphase, tunneling and geometry effects. Composites Communications, 2020, 21, 100364.	3.3	45
11	Solving Inverse Problems of Unknown Contaminant Source in Groundwater-River Integrated Systems Using a Surrogate Transport Model Based Optimization. Water (Switzerland), 2020, 12, 2415.	1.2	15
12	3D characterisation of indentation induced sub-surface cracking in silicon nitride using FIB tomography. Journal of the European Ceramic Society, 2019, 39, 3620-3626.	2.8	8
13	Introducing a general framework for pollution source identification in surface water resources (theory and application). Journal of Environmental Management, 2019, 248, 109281.	3.8	21
14	Mapping QTL for Fusarium head blight resistance in a tunisian-derived durum wheat population. Cereal Research Communications, 2019, 47, 78-87.	0.8	7
15	Finite elements based approaches for the modelling of radial crack formation upon Vickers indentation in silicon nitride ceramics. Journal of the European Ceramic Society, 2019, 39, 4011-4022.	2.8	18
16	Investigating the restoration of Lake Urmia using a numerical modellingÂapproach. Journal of Great Lakes Research, 2019, 45, 87-97.	0.8	19
17	Management scenarios methodology for salinity control in rivers (case study: Karoon River, Iran). Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 74-86.	0.6	11
18	A comparison of He and Ne FIB imaging of cracks in microindented silicon nitride. Materials Characterization, 2018, 141, 362-369.	1.9	6

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19	Level shifting circuit for hybrid superconductor-to-semiconductor interface. Physica C: Superconductivity and Its Applications, 2018, 552, 57-60.	0.6	0
20	A comprehensive one-dimensional numerical model for solute transport in rivers. Hydrology and Earth System Sciences, 2017, 21, 99-116.	1.9	16
21	Location and release time identification of pollution point source in river networks based on the Backward Probability Method. Journal of Environmental Management, 2016, 180, 164-171.	3.8	47
22	Controllable Synthesis of Covellite Nanoparticles via Thermal Decomposition Method. Journal of Cluster Science, 2016, 27, 593-602.	1.7	15
23	Processing, phase evaluation and mechanical properties of MoSi2 doped 4TaCâ€“HfC based UHTCs consolidated by spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2016, 56, 1-7.	1.7	20
24	Analytical study on the incorporation of zirconia-based ceramics with carbon nanotubes: Dispersion methods and mechanical properties. Ceramics International, 2016, 42, 1653-1659.	2.3	8
25	Mathematical Model for Pollution Source Identification in Rivers. Environmental Forensics, 2015, 16, 310-321.	1.3	31
26	In vitro biocompatibility and ageing of 3Y-TZP/CNTs composites. Ceramics International, 2015, 41, 12773-12781.	2.3	16
27	Field-assisted/spark plasma sintering behavior of CNT-reinforced zirconia composites: A comparative study between model and experiments. Journal of the European Ceramic Society, 2015, 35, 4241-4249.	2.8	12
28	Stable Plasmonic-Improved dye Sensitized Solar Cells by Silver Nanoparticles Between Titanium Dioxide Layers. Electrochimica Acta, 2015, 152, 101-107.	2.6	55
29	Epidermal growth factor receptor gene expression evaluation in colorectal cancer patients. Indian Journal of Cancer, 2014, 51, 358.	0.2	4
30	Flexible bactericidal graphene oxideâ€“chitosan layers for stem cell proliferation. Applied Surface Science, 2014, 301, 456-462.	3.1	126
31	High/room temperature mechanical properties of 3Y-TZP/CNTs composites. Ceramics International, 2014, 40, 3347-3352.	2.3	25
32	Effect of Ca substitution on crystal structure and superconducting properties of ferromagnetic superconductor RuSr2â¯xCaxGd1.4Ce0.6Cu2<mml:math altimg="si0030.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/ta. Journal of Magnetism and Magnetic Materials, 201	1.0	0
33	High-Temperature Mechanical Spectroscopy of Nitrogen-Rich Ca-Î±-SiAlON Ceramics. Journal of the American Ceramic Society, 2011, 94, 1536-1545.	1.9	3
34	Processing of yttria stabilized zirconia reinforced with multi-walled carbon nanotubes with attractive mechanical properties. Journal of the European Ceramic Society, 2011, 31, 2691-2698.	2.8	80
35	Microstructural evolution of a commercial ultrafine alumina powder densified by different methods. Journal of the European Ceramic Society, 2011, 31, 2593-2599.	2.8	30
36	The effect of processing conditions on the microstructure and impact behavior of melt infiltrated Al/SiCp composites. Ceramics International, 2011, 37, 3335-3341.	2.3	17

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37	Sintering behavior of nano alumina powder shaped by pressure filtration. Ceramics International, 2011, 37, 9-14.	2.3	20
38	Multi-walled carbon nanotube/nanostructured zirconia composites: Outstanding mechanical properties in a wide range of temperature. Composites Science and Technology, 2011, 71, 939-945.	3.8	121
39	Structural and electrical transport properties of hexagonal 4H BaRu1â˜'xMnxO3 perovskite. Physica B: Condensed Matter, 2011, 406, 3363-3366.	1.3	1
40	Sintering behavior of an ultrafine alumina powder shaped by pressure filtration and dry pressing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3807-3812.	2.6	18
41	Electrical behavior of nano-polycrystalline (La1â˜'yKy)0.7Ba0.3MnO3 manganites. Journal of Magnetism and Magnetic Materials, 2010, 322, 3255-3261.	1.0	23
42	Preparation and characterization of nano-polycrystalline lanthanum-based manganite. Physica B: Condensed Matter, 2010, 405, 72-76.	1.3	19
43	Reverse precipitation synthesis and characterization of CeO2 nanopowder. Journal of Alloys and Compounds, 2010, 491, 499-502.	2.8	97
44	Enhanced electrical conductivity of ultrafine-grained 8Y2O3 stabilized ZrO2 produced by two-step sintering technique. Journal of Alloys and Compounds, 2010, 494, 362-365.	2.8	31
45	Synthesis, characterization and magnetic properties of NiS1+x nanocrystals from [bis(salicylidene)nickel(II)] as new precursor. Materials Research Bulletin, 2009, 44, 2246-2251.	2.7	61
46	The Effect of Conformation Method and Sintering Technique on the Densification and Grain Growth of Nanocrystalline 8 mol% Yttriaâ€Stabilized Zirconia. Journal of the American Ceramic Society, 2009, 92, 990-995.	1.9	26
47	Master sintering curves of a nanoscale 3Y-TZP powder compacts. Ceramics International, 2009, 35, 547-554.	2.3	82
48	Sintering of titania nanoceramic: Densification and grain growth. Ceramics International, 2009, 35, 685-691.	2.3	78
49	Preparation of NiO nanoparticles from metal-organic frameworks via a solid-state decomposition route. Inorganica Chimica Acta, 2009, 362, 3691-3697.	1.2	120
50	Suppression of grain growth in sub-micrometer alumina via two-step sintering method. Journal of the European Ceramic Society, 2009, 29, 1371-1377.	2.8	93
51	Thermal decomposition of [bis(salicylaldehydato)cadmium(II)] to CdS nanocrystals. Polyhedron, 2009, 28, 3975-3978.	1.0	11
52	Two-step sintering of nanocrystalline 8Y2O3 stabilized ZrO2 synthesized by glycine nitrate process. Ceramics International, 2009, 35, 13-20.	2.3	88
53	Hot pressing of nanocrystalline zinc oxide compacts: Densification and grain growth during sintering. Ceramics International, 2009, 35, 991-995.	2.3	34
54	Simultaneous synthesis and single-step sintering of lead magnesium niobate ceramic using mixed nanopowders. Ceramics International, 2009, 35, 1139-1144.	2.3	10

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55	Processing and impact behavior of Al/SiCp composites fabricated by the pressureless melt infiltration method. Ceramics International, 2009, 35, 1919-1926.	2.3	14
56	Synthesis and characterization of ZnS nanoclusters via hydrothermal processing from [bis(salicylidene)zinc(II)]. Journal of Alloys and Compounds, 2009, 470, 502-506.	2.8	116
57	Effect of a novel sintering process on mechanical properties of hydroxyapatite ceramics. Journal of Alloys and Compounds, 2009, 471, 180-184.	2.8	101
58	Processing of nanocrystalline 8mol% yttria-stabilized zirconia by conventional, microwave-assisted and two-step sintering. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 492, 261-267.	2.6	79
59	Synthesis of Mn3O4 nanoparticles by thermal decomposition of a [bis(salicylidiminato)manganese(II)] complex. Polyhedron, 2008, 27, 3467-3471.	1.0	120
60	Preparation of cobalt nanoparticles from [bis(salicylidene)cobalt(II)]â€“oleylamine complex by thermal decomposition. Journal of Magnetism and Magnetic Materials, 2008, 320, 575-578.	1.0	133
61	Densification and grain growth of nanocrystalline 3Y-TZP during two-step sintering. Journal of the European Ceramic Society, 2008, 28, 2933-2939.	2.8	152
62	Preparation of ZnO nanoparticles from [bis(acetylacetonato)zinc(II)]â€“oleylamine complex by thermal decomposition. Materials Letters, 2008, 62, 1890-1892.	1.3	134
63	Two-dimensional mechanism of electrical conductivity in Gd1â^'xCexBa2Cu3O7â^'Î´. Journal of Physics Condensed Matter, 2008, 20, 345221.	0.7	2
64	Wear and friction characteristics of electrodeposited graphiteâ€“bronze composite coatings. Surface and Coatings Technology, 2005, 190, 32-38.	2.2	49
65	Electrodeposition of graphite-bronze composite coatings and study of electroplating characteristics. Surface and Coatings Technology, 2004, 187, 293-299.	2.2	43
66	Electrodeposition of graphite-brass composite coatings and characterization of the tribological properties. Surface and Coatings Technology, 2001, 148, 71-76.	2.2	64
67	High Temperature Mechanical Spectroscopy Study of 3 mol% Yttria Stabilized Tetragonal Zirconia Reinforced with Carbon Nanotubes. Solid State Phenomena, 0, 184, 265-270.	0.3	5