Robert Ianos

List of Publications by Citations

51 papers	1,133 citations	20 h-index	32 g-index
53 ext. papers	1,316 ext. citations	4.9 avg, IF	4.63 L-index

#	Paper	IF	Citations
51	Solution Combustion Synthesis and Characterization of Magnetite, Fe3O4, Nanopowders. *Journal of the American Ceramic Society*, **2012**, 95, 2236-2240	3.8	71
50	Solution combustion synthesis of MgAl2O4 using fuel mixtures. *Materials Research Bulletin*, **2008**, 43, 3408-3415	5.1	65
49	Adsorption of phenol and p-chlorophenol from aqueous solutions on poly (styrene-co-divinylbenzene) functionalized materials. *Chemical Engineering Journal*, **2013**, 222, 218-227	14.7	64
48	Fuel mixture approach for solution combustion synthesis of Ca3Al2O6 powders. *Cement and Concrete Research*, **2009**, 39, 566-572	10.3	50
47	Solution combustion synthesis of calcium zirconate, CaZrO3, powders. *Journal of Solid State Chemistry*, **2010**, 183, 491-496	3.3	49
46	Combustion synthesis, characterization and sintering behavior of magnesium aluminate (MgAl2O4) powders. *Materials Chemistry and Physics*, **2009**, 115, 645-648	4.4	48
45	Large surface area ZnAl2O4 powders prepared by a modified combustion technique. *Chemical Engineering Journal*, **2014**, 240, 260-263	14.7	47
44	Solution combustion synthesis of strontium aluminate, SrAl2O4, powders: single-fuel versus fuel-mixture approach. *Physical Chemistry Chemical Physics*, **2016**, 18, 1150-7	3.6	41
43	Chemical oxidation of residual carbon from ZnAl2O4 powders prepared by combustion synthesis. *Journal of the European Ceramic Society*, **2012**, 32, 1605-1611	6	39
42	Combustion synthesis of a blue Co-doped zinc aluminate near-infrared reflective pigment. *Dyes and Pigments*, **2017**, 142, 24-31	4.6	37
41	Combustion synthesis of iron oxide/carbon nanocomposites, efficient adsorbents for anionic and cationic dyes removal from wastewaters. *Journal of Alloys and Compounds*, **2018**, 741, 1235-1246	5.7	33
40	The influence of combustion synthesis conditions on the □Al2O3 powder preparation. *Journal of Materials Science*, **2009**, 44, 1016-1023	4.3	33
39	Synthesis of Mg1□CoxAl2O4 blue pigments via combustion route. *Advanced Powder Technology*, **2011**, 22, 396-400	4.6	31
38	Effective removal of methylene blue from aqueous solution using a new magnetic iron oxide nanosorbent prepared by combustion synthesis. *Clean Technologies and Environmental Policy*, **2016**, 18, 705-715	4.3	30
37	Removal of Colored Organic Pollutants from Wastewaters by Magnetite/Carbon Nanocomposites: Single and Binary Systems. *Journal of Chemistry*, **2018**, 2018, 1-16	2.3	27
36	Peculiarities of CaO□6Al2O3 Formation by using Low-Temperature Combustion Synthesis. *European Journal of Inorganic Chemistry*, **2008**, 2008, 925-930	2.3	23
35	Synthesis and characterization of □Fe2O3/SiO2 composites as possible candidates for magnetic paper manufacture. *Ceramics International*, **2015**, 41, 1079-1085	5.1	22

34	Ceramic pigments with chromium content from leather wastes. *Journal of the European Ceramic Society*, **2007**, 27, 1899-1903	6	22
33	Magnetite/carbon nanocomposites prepared by an innovative combustion synthesis techniqueExcellent adsorbent materials. *Ceramics International*, **2014**, 40, 13649-13657	5.1	21
32	Application of New Organic Fuels in the Direct MgAl2O4 Combustion Synthesis. *European Journal of Inorganic Chemistry*, **2008**, 2008, 931-938	2.3	21
31	Combustion synthesis of Fe3O4/Ag/C nanocomposite and application for dyes removal from multicomponent systems. *Applied Surface Science*, **2019**, 481, 825-837	6.7	20
30	Fe 2 O 3 nanoparticles prepared by combustion synthesis, followed by chemical oxidation of residual carbon with H 2 O 2. *Materials Chemistry and Physics*, **2014**, 148, 705-711	4.4	20
29	Adsorption of phenol and p-chlorophenol from aqueous solutions by magnetic nanopowder. *Water Science and Technology*, **2014**, 69, 385-91	2.2	20
28	Highly sinterable cobalt ferrite particles prepared by a modified solution combustion synthesis. *Materials Letters*, **2014**, 135, 24-26	3.3	19
27	Characteristics of Y2O3 powders prepared by solution combustion synthesis in the light of a new thermodynamic approach. *Ceramics International*, **2014**, 40, 12207-12211	5.1	18
26	Aqueous combustion synthesis and characterization of ZnO powders. *Materials Chemistry and Physics*, **2011**, 129, 881-886	4.4	18
25	Combustion synthesis of ZnAl 2 O 4 powders with tuned surface area. *Ceramics International*, **2017**, 43, 8975-8981	5.1	16
24	One-step synthesis of near-infrared reflective brown pigments based on iron-doped lanthanum aluminate, LaAl1-xFexO3. *Dyes and Pigments*, **2018**, 152, 105-111	4.6	16
23	Fine tuning of CoFe2O4 properties prepared by solution combustion synthesis. *Ceramics International*, **2014**, 40, 10223-10229	5.1	16
22	Combustion synthesis of some iron oxides used as adsorbents for phenol and p-chlorophenol removal from wastewater. *Journal of Thermal Analysis and Calorimetry*, **2013**, 112, 391-397	4.1	16
21	Magnetic nanopowder as effective adsorbent for the removal of Congo Red from aqueous solution. *Water Science and Technology*, **2014**, 69, 1234-40	2.2	16
20	Solution combustion synthesis of bluish-green BaAl2O4: Eu2+, Dy3+ phosphors. *Ceramics International*, **2015**, 41, 3186-3190	5.1	15
19	Combustion synthesis of pink chromium-doped alumina with excellent near-infrared reflective properties. *Ceramics International*, **2017**, 43, 2568-2572	5.1	15
18	Non-isothermal crystallization kinetics of some basaltic glass-ceramics containing CaF2 as nucleation agent. *Journal of Thermal Analysis and Calorimetry*, **2009**, 97, 507-513	4.1	15
17	Solution combustion synthesis of cordierite. *Journal of Alloys and Compounds*, **2009**, 480, 702-705	5.7	15

16	Maghemite, Fe2O3, nanoparticles preparation via carbon-templated solution combustion synthesis. *Ceramics International*, **2018**, 44, 14090-14094	5.1	13
15	Chromium-doped calcium zirconate A potential red shade pigment: Preparation, characterization and testing. *Dyes and Pigments*, **2014**, 105, 152-156	4.6	10
14	Single-step combustion synthesis of LaAlO3 powders and their sintering behavior. *Ceramics International*, **2014**, 40, 7561-7565	5.1	10
13	An efficient solution for the single-step synthesis of 4CaOAl2O3Fe2O3 powders. *Journal of Materials Research*, **2009**, 24, 245-252	2.5	10
12	Characterization of Mg1NixAl2O4 solid solutions prepared by combustion synthesis. *Journal of the European Ceramic Society*, **2011**, 31, 739-743	6	10
11	Single-step combustion synthesis of YAlO3 powders. *Journal of Materials Science*, **2015**, 50, 6382-6387	4.3	8
10	Solution combustion synthesis: a straightforward route for the preparation of chromium-doped lanthanum aluminate, LaAl 1-x Cr x O 3 , pink red pigments. *Dyes and Pigments*, **2018**, 155, 218-224	4.6	8
9	Enucleation: a possible mechanism of cancer cell death. *Journal of Cellular and Molecular Medicine*, **2014**, 18, 962-5	5.6	7
8	Metal nitrate/fuel mixture reactivity and its influence on the solution combustion synthesis of LiAlO2. *Journal of Thermal Analysis and Calorimetry*, **2009**, 97, 209-214	4.1	6
7	Nanocrystalline BaAl2O4 powders prepared by aqueous combustion synthesis. *Ceramics International*, **2013**, 39, 2645-2650	5.1	4
6	Influence of the specific surface area on crystallization process kinetics of some silica gels. *Journal of Thermal Analysis and Calorimetry*, **2009**, 97, 409-414	4.1	4
5	Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. *Nanomaterials*, **2021**, 11,	5.4	3
4	Comparative study regarding the formation of La1-xSrxCrO3 perovskite using unconventional synthesis methods. *Journal of Thermal Analysis and Calorimetry*, **2008**, 94, 343-348	4.1	2
3	Key-role of the recipe formulation in the solution combustion synthesis of monocalcium aluminate, CaAl2O4. *Ceramics International*, **2018**, 44, 21908-21913	5.1	2
2	Adsorption of Anionic Dyes from Wastewater onto Magnetic Nanocomposite Powders Synthesized by Combustion Method. *Applied Sciences (Switzerland)*, **2021**, 11, 9236	2.6	1
1	Development and characterization of magnetic iron oxide nanoparticles using microwave for the combustion reaction ignition, as possible candidates for biomedical applications. *Powder Technology*, **2021**, 394, 1026-1038	5.2	1