

Robert Ianos

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Adsorption of Anionic Dyes from Wastewater onto Magnetic Nanocomposite Powders Synthesized by Combustion Method. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9236	2.6	1
50	Biocompatible Magnetic Colloidal Suspension Used as a Tool for Localized Hyperthermia in Human Breast Adenocarcinoma Cells: Physicochemical Analysis and Complex In Vitro Biological Profile. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
49	Development and characterization of magnetic iron oxide nanoparticles using microwave for the combustion reaction ignition, as possible candidates for biomedical applications. <i>Powder Technology</i> , 2021 , 394, 1026-1038	5.2	1
48	Combustion synthesis of Fe ₃ O ₄ /Ag/C nanocomposite and application for dyes removal from multicomponent systems. <i>Applied Surface Science</i> , 2019 , 481, 825-837	6.7	20
47	One-step synthesis of near-infrared reflective brown pigments based on iron-doped lanthanum aluminate, LaAl _{1-x} FexO ₃ . <i>Dyes and Pigments</i> , 2018 , 152, 105-111	4.6	16
46	Combustion synthesis of iron oxide/carbon nanocomposites, efficient adsorbents for anionic and cationic dyes removal from wastewaters. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 1235-1246	5.7	33
45	Solution combustion synthesis: a straightforward route for the preparation of chromium-doped lanthanum aluminate, LaAl _{1-x} Cr _x O ₃ , pink red pigments. <i>Dyes and Pigments</i> , 2018 , 155, 218-224	4.6	8
44	Removal of Colored Organic Pollutants from Wastewaters by Magnetite/Carbon Nanocomposites: Single and Binary Systems. <i>Journal of Chemistry</i> , 2018 , 2018, 1-16	2.3	27
43	Maghemite, Fe ₂ O ₃ , nanoparticles preparation via carbon-templated solution combustion synthesis. <i>Ceramics International</i> , 2018 , 44, 14090-14094	5.1	13
42	Key-role of the recipe formulation in the solution combustion synthesis of monocalcium aluminate, CaAl ₂ O ₄ . <i>Ceramics International</i> , 2018 , 44, 21908-21913	5.1	2
41	Combustion synthesis of a blue Co-doped zinc aluminate near-infrared reflective pigment. <i>Dyes and Pigments</i> , 2017 , 142, 24-31	4.6	37
40	Combustion synthesis of ZnAl ₂ O ₄ powders with tuned surface area. <i>Ceramics International</i> , 2017 , 43, 8975-8981	5.1	16
39	Combustion synthesis of pink chromium-doped alumina with excellent near-infrared reflective properties. <i>Ceramics International</i> , 2017 , 43, 2568-2572	5.1	15
38	Effective removal of methylene blue from aqueous solution using a new magnetic iron oxide nanosorbent prepared by combustion synthesis. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 705-715	4.3	30
37	Solution combustion synthesis of strontium aluminate, SrAl ₂ O ₄ , powders: single-fuel versus fuel-mixture approach. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 1150-7	3.6	41
36	Single-step combustion synthesis of YAlO ₃ powders. <i>Journal of Materials Science</i> , 2015 , 50, 6382-6387	4.3	8
35	Solution combustion synthesis of bluish-green BaAl ₂ O ₄ : Eu ²⁺ , Dy ³⁺ phosphors. <i>Ceramics International</i> , 2015 , 41, 3186-3190	5.1	15

34	Synthesis and characterization of Fe ₂ O ₃ /SiO ₂ composites as possible candidates for magnetic paper manufacture. <i>Ceramics International</i> , 2015 , 41, 1079-1085	5.1	22
33	Large surface area ZnAl ₂ O ₄ powders prepared by a modified combustion technique. <i>Chemical Engineering Journal</i> , 2014 , 240, 260-263	14.7	47
32	Chromium-doped calcium zirconate A potential red shade pigment: Preparation, characterization and testing. <i>Dyes and Pigments</i> , 2014 , 105, 152-156	4.6	10
31	Characteristics of Y ₂ O ₃ powders prepared by solution combustion synthesis in the light of a new thermodynamic approach. <i>Ceramics International</i> , 2014 , 40, 12207-12211	5.1	18
30	Fine tuning of CoFe ₂ O ₄ properties prepared by solution combustion synthesis. <i>Ceramics International</i> , 2014 , 40, 10223-10229	5.1	16
29	Single-step combustion synthesis of LaAlO ₃ powders and their sintering behavior. <i>Ceramics International</i> , 2014 , 40, 7561-7565	5.1	10
28	Enucleation: a possible mechanism of cancer cell death. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 962-5	5.6	7
27	Highly sinterable cobalt ferrite particles prepared by a modified solution combustion synthesis. <i>Materials Letters</i> , 2014 , 135, 24-26	3.3	19
26	Fe ₂ O ₃ nanoparticles prepared by combustion synthesis, followed by chemical oxidation of residual carbon with H ₂ O ₂ . <i>Materials Chemistry and Physics</i> , 2014 , 148, 705-711	4.4	20
25	Magnetite/carbon nanocomposites prepared by an innovative combustion synthesis techniqueExcellent adsorbent materials. <i>Ceramics International</i> , 2014 , 40, 13649-13657	5.1	21
24	Magnetic nanopowder as effective adsorbent for the removal of Congo Red from aqueous solution. <i>Water Science and Technology</i> , 2014 , 69, 1234-40	2.2	16
23	Adsorption of phenol and p-chlorophenol from aqueous solutions by magnetic nanopowder. <i>Water Science and Technology</i> , 2014 , 69, 385-91	2.2	20
22	Combustion synthesis of some iron oxides used as adsorbents for phenol and p-chlorophenol removal from wastewater. <i>Journal of Thermal Analysis and Calorimetry</i> , 2013 , 112, 391-397	4.1	16
21	Nanocrystalline BaAl ₂ O ₄ powders prepared by aqueous combustion synthesis. <i>Ceramics International</i> , 2013 , 39, 2645-2650	5.1	4
20	Adsorption of phenol and p-chlorophenol from aqueous solutions on poly (styrene-co-divinylbenzene) functionalized materials. <i>Chemical Engineering Journal</i> , 2013 , 222, 218-227	14.7	64
19	Chemical oxidation of residual carbon from ZnAl ₂ O ₄ powders prepared by combustion synthesis. <i>Journal of the European Ceramic Society</i> , 2012 , 32, 1605-1611	6	39
18	Solution Combustion Synthesis and Characterization of Magnetite, Fe ₃ O ₄ , Nanopowders. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2236-2240	3.8	71
17	Aqueous combustion synthesis and characterization of ZnO powders. <i>Materials Chemistry and Physics</i> , 2011 , 129, 881-886	4.4	18

16	Synthesis of $Mg_{1-x}Co_xAl_2O_4$ blue pigments via combustion route. <i>Advanced Powder Technology</i> , 2011 , 22, 396-400	4.6	31
15	Characterization of $Mg_{1-x}Ni_xAl_2O_4$ solid solutions prepared by combustion synthesis. <i>Journal of the European Ceramic Society</i> , 2011 , 31, 739-743	6	10
14	Solution combustion synthesis of calcium zirconate, $CaZrO_3$, powders. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 491-496	3.3	49
13	An efficient solution for the single-step synthesis of $4CaO \cdot Al_2O_3 \cdot Fe_2O_3$ powders. <i>Journal of Materials Research</i> , 2009 , 24, 245-252	2.5	10
12	Combustion synthesis, characterization and sintering behavior of magnesium aluminate ($MgAl_2O_4$) powders. <i>Materials Chemistry and Physics</i> , 2009 , 115, 645-648	4.4	48
11	The influence of combustion synthesis conditions on the $\gamma-Al_2O_3$ powder preparation. <i>Journal of Materials Science</i> , 2009 , 44, 1016-1023	4.3	33
10	Influence of the specific surface area on crystallization process kinetics of some silica gels. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 409-414	4.1	4
9	Metal nitrate/fuel mixture reactivity and its influence on the solution combustion synthesis of $\gamma-Al_2O_3$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 209-214	4.1	6
8	Non-isothermal crystallization kinetics of some basaltic glass-ceramics containing CaF_2 as nucleation agent. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 97, 507-513	4.1	15
7	Fuel mixture approach for solution combustion synthesis of $Ca_3Al_2O_6$ powders. <i>Cement and Concrete Research</i> , 2009 , 39, 566-572	10.3	50
6	Solution combustion synthesis of α -cordierite. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 702-705	5.7	15
5	Solution combustion synthesis of $MgAl_2O_4$ using fuel mixtures. <i>Materials Research Bulletin</i> , 2008 , 43, 3408-3415	5.1	65
4	Comparative study regarding the formation of $La_{1-x}Sr_xCrO_3$ perovskite using unconventional synthesis methods. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 94, 343-348	4.1	2
3	Peculiarities of $CaO \cdot \gamma-Al_2O_3$ Formation by using Low-Temperature Combustion Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 925-930	2.3	23
2	Application of New Organic Fuels in the Direct $MgAl_2O_4$ Combustion Synthesis. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 931-938	2.3	21
1	Ceramic pigments with chromium content from leather wastes. <i>Journal of the European Ceramic Society</i> , 2007 , 27, 1899-1903	6	22