

# Daniela Berger

## List of Publications by Year in descending order

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91  
papers

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citations

236925

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#	ARTICLE	IF	CITATIONS
1	Evaluation of Different Mesoporous Silica Supports for Energy Storage in Shape-Stabilized Phase Change Materials with Dual Thermal Responses. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15177-15184.	3.1	89
2	Investigation of the composition-dependent properties of BaTi <sub>1-x</sub> Zr <sub>x</sub> O <sub>3</sub> ceramics prepared by the modified Pechini method. <i>Journal of the European Ceramic Society</i> , 2012, 32, 3551-3566.	5.7	82
3	Synthesis, structure and properties of doped Bi <sub>2</sub> O <sub>3</sub> . <i>Journal of the European Ceramic Society</i> , 2006, 26, 3011-3016.	5.7	72
4	Deposition and characterisation of bismuth oxide thin films. <i>Journal of the European Ceramic Society</i> , 2005, 25, 2171-2174.	5.7	71
5	Polyphenols extract from grape pomace. Characterization and valorisation through encapsulation into mesoporous silica-type matrices. <i>Food and Chemical Toxicology</i> , 2019, 133, 110787.	3.6	63
6	Fast synthesis of rare-earth (Pr <sup>3+</sup> , Sm <sup>3+</sup> , Eu <sup>3+</sup> and Gd <sup>3+</sup> ) doped bismuth ferrite powders with enhanced magnetic properties. <i>Journal of Alloys and Compounds</i> , 2015, 629, 62-68.	5.5	62
7	Preparation and characterization of BiFeO <sub>3</sub> ceramic. <i>Progress in Solid State Chemistry</i> , 2007, 35, 193-202.	7.2	56
8	Phases investigation in the antimony doped Bi <sub>2</sub> O <sub>3</sub> system. <i>Journal of the European Ceramic Society</i> , 2004, 24, 1295-1299.	5.7	54
9	Preparation of BiFeO <sub>3</sub> films by wet chemical method and their characterization. <i>Journal of the European Ceramic Society</i> , 2007, 27, 937-940.	5.7	54
10	A Review of Composite Phase Change Materials Based on Porous Silica Nanomaterials for Latent Heat Storage Applications. <i>Molecules</i> , 2021, 26, 241.	3.8	52
11	Magnetic nanoparticles coated with polysaccharide polymers for potential biomedical applications. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6169-6180.	1.9	50
12	Box-Behnken experimental design for chromium(VI) ions removal by bacterial cellulose-magnetite composites. <i>International Journal of Biological Macromolecules</i> , 2016, 91, 1062-1072.	7.5	49
13	Synthesis and characterisation of La <sub>1-x</sub> Sr <sub>x</sub> CoO <sub>3</sub> with large surface area. <i>Materials Letters</i> , 2004, 58, 2418-2422.	2.6	48
14	Pure and doped lanthanum manganites obtained by combustion method. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4395-4398.	5.7	43
15	Heteroatom modified MCM-41-silica carriers for Lomefloxacin delivery systems. <i>Microporous and Mesoporous Materials</i> , 2019, 275, 214-222.	4.4	43
16	Chemical solution deposition and characterization of BiFeO <sub>3</sub> thin films. <i>Journal of the European Ceramic Society</i> , 2007, 27, 4417-4420.	5.7	37
17	Shape-stabilized phase change materials using molten NaNO <sub>3</sub> + KNO <sub>3</sub> eutectic and mesoporous silica matrices. <i>Solar Energy Materials and Solar Cells</i> , 2020, 215, 110644.	6.2	36
18	Properties of Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> Ceramics Prepared by the Modified-Pechini Method. <i>Ferroelectrics</i> , 2008, 369, 22-34.	0.6	35

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19	Ordered mesoporous silica and aluminosilicate-type matrix for amikacin delivery systems. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 32-39.	4.4	35
20	Correlation of Mesoporous Silica Structural and Morphological Features with Theoretical Three-Parameter Model for Drug Release Kinetics. <i>Journal of Physical Chemistry C</i> , 2016, 120, 29202-29209.	3.1	33
21	Lanthanum-based perovskites obtained in molten nitrates or nitrites. <i>Progress in Solid State Chemistry</i> , 2007, 35, 203-209.	7.2	32
22	Investigation of Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> ceramics prepared from powders synthesized by the modified Pechini route. <i>Journal of the European Ceramic Society</i> , 2007, 27, 3655-3658.	5.7	32
23	Physicochemical and Biological Properties of Gelatin Extracted from Marine Snail <i>Rapana venosa</i> . <i>Marine Drugs</i> , 2019, 17, 589.	4.6	32
24	Functionalized mesoporous silica as matrix for shape-stabilized phase change materials. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118699.	4.8	30
25	Tailored doxycycline delivery from MCM-41-type silica carriers. <i>Chemical Papers</i> , 2018, 72, 1869-1880.	2.2	25
26	Controlling drug release from mesoporous silica through an amorphous, nanoconfined 1-tetradecanol layer. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 127, 318-325.	4.3	25
27	Properties of <i>Salvia officinalis</i> L. and <i>Thymus serpyllum</i> L. Extracts Free and Embedded into Mesopores of Silica and Titania Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 820.	4.1	25
28	Studies on combustion catalytic activity of some pure and doped lanthanum cobaltites. <i>Applied Catalysis B: Environmental</i> , 2008, 84, 758-765.	20.2	24
29	Properties of PEG-capped CdS nanopowders synthesized under very mild conditions. <i>Powder Technology</i> , 2015, 270, 197-204.	4.2	24
30	Kinetic studies on the irinotecan release based on structural properties of functionalized mesoporous-silica supports. <i>Microporous and Mesoporous Materials</i> , 2012, 149, 25-35.	4.4	22
31	Phase Change Materials Based on Mesoporous Silica. <i>Current Organic Chemistry</i> , 2019, 22, 2644-2663.	1.6	22
32	Pure and doped lanthanum cobaltites obtained by combustion method. <i>Progress in Solid State Chemistry</i> , 2007, 35, 183-191.	7.2	20
33	Influence of structural, textural and surface properties of mesostructured silica and aluminosilicate carriers on aminoglycoside uptake and in vitro delivery. <i>Microporous and Mesoporous Materials</i> , 2015, 206, 150-160.	4.4	20
34	Considerations about the Dependence of PEGylated ZnS Nanoparticles Properties on the Synthesis Method. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 232, 61-77.	2.8	20
35	Improving thermal properties of shape-stabilized phase change materials containing lauric acid and mesocellular foam silica by assessing thermodynamic properties of the non-melting layer. <i>Thermochemica Acta</i> , 2018, 660, 70-76.	2.7	20
36	Effect of Nanoconfinement of Polyphenolic Extract from Grape Pomace into Functionalized Mesoporous Silica on Its Biocompatibility and Radical Scavenging Activity. <i>Antioxidants</i> , 2020, 9, 696.	5.1	20

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37	Mesoporous Cobalt Ferrite Nanosystems Obtained by Surfactant-Assisted Hydrothermal Method: Tuning Morpho-structural and Magnetic Properties via pH-Variation. <i>Nanomaterials</i> , 2020, 10, 476.	4.1	20
38	Characterization and applications of a new composite material obtained by green synthesis, through deposition of zinc oxide onto calcium carbonate precipitated in green seaweeds extract. <i>Ceramics International</i> , 2018, 44, 4931-4936.	4.8	18
39	Composition-dependent ferroelectric properties of Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> ceramics. <i>Phase Transitions</i> , 2006, 79, 375-388.	1.3	17
40	Facile synthesis, characterization and application of functionalized cadmium sulfide nanopowders. <i>Materials Chemistry and Physics</i> , 2016, 173, 70-77.	4.0	17
41	Polyphenolic Extract from <i>Sambucus ebulus</i> L. Leaves Free and Loaded into Lipid Vesicles. <i>Nanomaterials</i> , 2020, 10, 56.	4.1	17
42	Biological Evaluation of Black Chokeberry Extract Free and Embedded in Two Mesoporous Silica-Type Matrices. <i>Pharmaceutics</i> , 2020, 12, 838.	4.5	17
43	Lanthanum chromites doped with divalent transition metals. <i>Ceramics International</i> , 2000, 26, 193-196.	4.8	16
44	Tailoring the dissolution rate enhancement of aminoglutethimide by functionalization of MCM-41 silica: a hydrogen bonding propensity approach. <i>RSC Advances</i> , 2015, 5, 2592-2601.	3.6	16
45	Mesostructured silica and aluminosilicate carriers for oxytetracycline delivery systems. <i>International Journal of Pharmaceutics</i> , 2016, 510, 524-531.	5.2	16
46	Calcium carbonate as silver carrier in composite materials obtained in green seaweed extract with topical applications. <i>Journal of Sol-Gel Science and Technology</i> , 2020, 93, 315-323.	2.4	16
47	High temperature shape " Stabilized phase change materials obtained using mesoporous silica and NaCl " NaBr " Na <sub>2</sub> MoO <sub>4</sub> salt eutectic. <i>Solar Energy Materials and Solar Cells</i> , 2020, 218, 110760.	6.2	16
48	Thermodynamic characterisation of some doped lanthanum chromites used as interconnects in SOFC. <i>Solid State Ionics</i> , 2003, 157, 365-370.	2.7	15
49	New Composite Nanomaterials with Antimicrobial and Photocatalytic Properties Based on Silver and Zinc Oxide. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2019, 29, 2072-2082.	3.7	15
50	Extracellular matrix biomimetic polymeric membranes enriched with silver nanoparticles for wound healing. <i>Biomedical Materials (Bristol)</i> , 2021, 16, 035010.	3.3	14
51	Resveratrol Encapsulation and Release from Pristine and Functionalized Mesoporous Silica Carriers. <i>Pharmaceutics</i> , 2022, 14, 203.	4.5	14
52	Complex Precursors for Doped Lanthanum Chromite Synthesis. <i>Journal of Materials Synthesis and Processing</i> , 2001, 9, 137-142.	0.3	13
53	Synthesis of BaTiO <sub>3</sub> by soft chemistry routes. <i>Journal of Electroceramics</i> , 2010, 24, 46-50.	2.0	11
54	Azobenzene functionalized mesoporous AlMCM-41-type support for drug release applications. <i>Open Chemistry</i> , 2014, 12, 788-795.	1.9	11

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55	Properties of mesostructured silica coated CoFe <sub>2</sub> O <sub>4</sub> versus Fe <sub>3</sub> O <sub>4</sub> -silica composites. Journal of Alloys and Compounds, 2017, 708, 278-284.	5.5	11
56	Preparation and characterization of BiFeO <sub>3</sub> nanopowders. European Physical Journal Special Topics, 2005, 128, 7-11.	0.2	10
57	Electrical Conductivity and Thermodynamic Properties of Some Alkaline Earth-Doped Lanthanum Chromites. International Journal of Thermophysics, 2005, 26, 543-557.	2.1	10
58	The influence of Triton X-100 surfactant on the morphology and properties of zinc sulfide nanoparticles for applications in azo dyes degradation. Materials Chemistry and Physics, 2017, 193, 316-328.	4.0	10
59	Exploiting the zwitterionic properties of lomefloxacin to tailor its delivery from functionalized MCM-41 silica. Microporous and Mesoporous Materials, 2020, 305, 110323.	4.4	10
60	Aluminum doping of mesoporous silica as a promising strategy for increasing the energy storage of shape stabilized phase change materials containing molten NaNO <sub>3</sub> : KNO <sub>3</sub> eutectic mixture. Journal of Energy Storage, 2022, 49, 104188.	8.1	9
61	Characterization of BaMg <sub>1/3</sub> (Ta <sup>x</sup> Nb <sub>x</sub> ) <sub>2</sub> /3O <sub>3</sub> ceramics obtained by a modified Pechini method. Journal of Alloys and Compounds, 2010, 497, 239-243.	5.5	8
62	Mesostructured silica matrix for irinotecan delivery systems. Open Chemistry, 2014, 12, 813-820.	1.9	8
63	Norfloxacin delivery systems based on MCM-type silica carriers designed for the treatment of severe infections. Materials Chemistry and Physics, 2019, 238, 121886.	4.0	8
64	Mesoporous Silica as Carrier for Drug-Delivery Systems. , 2019, , 351-374.		8
65	Enhanced Wound Healing Activity of Undenatured Type I Collagen Isolated from Discarded Skin of Black Sea Gilthead Bream ( <i>Sparus aurata</i> ) Conditioned as 3D Porous Dressing. Chemistry and Biodiversity, 2021, 18, e2100293.	2.1	8
66	Fractal dimensions of lanthanum ferrite samples by adsorption isotherm method. Applied Surface Science, 2003, 220, 154-158.	6.1	7
67	Electrochemical and microgravimetric studies of poly[3,4-ethylenedioxythiophene]-tyrosinase biocomposite material electrodeposited onto gold electrodes by a sinusoidal voltages method. Journal of Solid State Electrochemistry, 2016, 20, 3043-3051.	2.5	7
68	Nanocomposite phase change materials based on NaCl/CaCl <sub>2</sub> and mesoporous silica. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2555-2563.	3.6	7
69	Influence of Synthesis Route on the Structure and Properties of Zinc Oxide Nanoparticles Functionalized with Anthocyanins from Raw Vegetable Extracts. ECS Journal of Solid State Science and Technology, 2017, 6, P870-P878.	1.8	6
70	A study on thermal degradation of zinc oxide nanopowders functionalized with anthocyanins, in correlation with their properties and applications. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	5
71	Modified Catalysts and Their Fractal Properties. Catalysts, 2021, 11, 1518.	3.5	5
72	Influence of different templates on the morphology of mesoporous aluminas. Open Chemistry, 2012, 10, 1688-1695.	1.9	4

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73	Luminescence of Eu-doped langasite nanopowders synthesized by a modified Pechini route. Journal of Luminescence, 2014, 145, 690-696.	3.1	4
74	Correlation of the intracellular reactive oxygen species levels with textural properties of functionalized mesostructured silica. Journal of Biomedical Materials Research - Part A, 2014, 102, n/a-n/a.	4.0	4
75	Mesostructured silica-titania composites for improved oxytetracycline delivery systems. Comptes Rendus Chimie, 2017, 20, 1017-1025.	0.5	4
76	Synthesis of $\text{La}_{1-x}\text{Sr}_x\text{MO}_3$ (M=Mn, Fe, Co, Ni) nanopowders by alanine-combustion technique. Journal of the European Ceramic Society, 2010, 30, 617-622.	5.7	3
77	Mesoporous Silica and Titania-Based Materials for Stability Enhancement of Polyphenols. Materials, 2021, 14, 6457.	2.9	3
78	Molten salt synthesis of lanthanum cuprate, $\text{La}_2\text{CuO}_4$ . Journal of Electroceramics, 2010, 24, 64-66.	2.0	2
79	Upconversion luminescence of $\text{Er}^{3+}/\text{Yb}^{3+}$ co-doped nanolangasite synthesized by a modified Pechini route. Journal of Sol-Gel Science and Technology, 2012, 64, 667-672.	2.4	2
80	Low-Temperature Synthesis and Thermodynamic and Electrical Properties of Barium Titanate Nanorods. Journal of Nanomaterials, 2015, 2015, 1-10.	2.7	2
81	Effect of Aluminum Incorporation into Mesoporous Aluminosilicate Framework on Drug Release Kinetics. Journal of Nanomaterials, 2017, 2017, 1-9.	2.7	2
82	One-pot strategy for obtaining magnetic PMMA particles through ATRP using $\text{Fe}(\text{CO})_5$ as co-initiator. European Polymer Journal, 2021, 152, 110446.	5.4	2
83	Microwave Assisted Fischer - Tropsch Synthesis at a Atmospheric Pressure. Revista De Chimie (discontinued), 2017, 68, 1040-1043.	0.4	2
84	Utilization of Dielectric Properties Assessment To Evaluate the Catalytic Activity and Rate of Deactivation of Heterogeneous Catalysts. Industrial & Engineering Chemistry Research, 2017, 56, 1940-1947.	3.7	1
85	In Vitro Cytotoxicity of Polymeric Nanoparticles Coated with Lipid Layer Loaded with Cardiovascular Drugs. Proceedings (mdpi), 2020, 57, .	0.2	1
86	Silica-Alginate Beads for Intestinal Ketoprofen Delivery. Revista De Chimie (discontinued), 2019, 69, 3416-3422.	0.4	1
87	On the ultrasound-assisted preparation of Cu/SiO <sub>2</sub> system as a selective catalyst for the conversion of biobutanol to butanal. Chemical Papers, 2022, 76, 1443-1455.	2.2	1
88	Embedding Polyphenols Extract from Grape Marc into Inorganic Supports with Enhanced Stability. Proceedings (mdpi), 2019, 29, 38.	0.2	0
89	Influence of Mesoporous Silica Functionalization and Pore Size on Resveratrol Release Profiles. Proceedings (mdpi), 2019, 29, .	0.2	0
90	Properties of Free and Embedded Extracts from Different Grape Pomace into Mesoporous Inorganic Matrices. Proceedings (mdpi), 2020, 57, 78.	0.2	0

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91	Synthesis and Characterization of Medium Molecular Weight Chitosan-Stabilized Selenium Nanoparticles. , 0, , .		0