

# Lucian Baia

## List of Publications by Year in descending order

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146  
papers

3,580  
citations

136885

32  
h-index

168321

53  
g-index

148  
all docs

148  
docs citations

148  
times ranked

4121  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of cationic dyes™ adsorption upon $\hat{\pm}$ -MoO <sub>3</sub> structural properties. Applied Surface Science, 2022, 573, 151584.	3.1	16
2	Influence of different silver species on the structure of bioactive silicate glasses. Journal of Non-Crystalline Solids, 2022, 583, 121498.	1.5	8
3	Bioactive Properties of Composites Based on Silicate Glasses and Different Silver and Gold Structures. Materials, 2022, 15, 1655.	1.3	2
4	Thermal Evolution of Câ€“Feâ€“Bi Nanocomposite System: From Nanoparticle Formation to Heterogeneous Graphitization Stage. Microscopy and Microanalysis, 2022, 28, 317-329.	0.2	2
5	Solvothermal synthesis of ZnO spheres: Tuning the structure and morphology from nano- to micro-meter range and its impact on their photocatalytic activity. Catalysis Today, 2022, 397-399, 16-27.	2.2	18
6	Noble metal modified (002)-oriented ZnO hollow spheres for the degradation of a broad range of pollutants. Journal of Environmental Chemical Engineering, 2022, 10, 107655.	3.3	8
7	Myth or reality? A disquisition concerning the photostability of bismuth-based photocatalysts. Journal of Environmental Chemical Engineering, 2022, 10, 107624.	3.3	2
8	Significance of the surface and bulk features of hierarchical TiO <sub>2</sub> in their photocatalytic properties. Ceramics International, 2021, 47, 7088-7100.	2.3	5
9	SERS-active substrates based on graphene oxide or reduced graphene oxide and silver nanoparticles. Materials Today: Proceedings, 2021, 45, 4096-4099.	0.9	3
10	The Impact of Composites with Silicate-Based Glasses and Gold Nanoparticles on Skin Wound Regeneration. Molecules, 2021, 26, 620.	1.7	7
11	Shape tailoring of AgBr microstructures: effect of the cations of different bromide sources and applied surfactants. RSC Advances, 2021, 11, 9709-9720.	1.7	3
12	Poly(Vinyl Chloride) Spheres Coated with Graphene Oxide Sheets: From Synthesis to Optical Properties and Their Applications as Flame-Retardant Agents. Polymers, 2021, 13, 565.	2.0	14
13	The Effect of the Reducing Sugars in the Synthesis of Visible-Light-Active Copper(I) Oxide Photocatalyst. Molecules, 2021, 26, 1149.	1.7	2
14	Solvothermal Crystallization of Ag/AgxO-AgCl Composites: Effect of Different Chloride Sources/Shape-Tailoring Agents. Catalysts, 2021, 11, 379.	1.6	2
15	Bioactive glass-biopolymersâ€™gold nanoparticle based composites for tissue engineering applications. Materials Science and Engineering C, 2021, 123, 112006.	3.8	16
16	Mixture of Graphene Oxide/Phosphoric Acid/Melamine as Coating for Improved Fire Protective Performance and Enhancement of Surface Electrical Properties on Wood Chipboard. Journal of Nanoscience and Nanotechnology, 2021, 21, 2312-2322.	0.9	5
17	Preparation and Characterization of Carbon Xerogel Based Composites for Electrochemical Sensing and Photocatalytic Degradation. Journal of Nanoscience and Nanotechnology, 2021, 21, 2323-2333.	0.9	6
18	The Influence of the Ratio of Au and Pt Nanoparticles in Ternary Composites with TiO <sub>2</sub> . Metals, 2021, 11, 628.	1.0	1

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19	The impact of Au nanoparticles and lanthanide-doped NaYF <sub>4</sub> on the photocatalytic activity of titania photocatalyst. <i>Applied Surface Science</i> , 2021, 547, 149123.	3.1	7
20	Optimization Method of the Solvothermal Parameters Using Boxâ€œBehnken Experimental Designâ€œThe Case Study of ZnO Structural and Catalytic Tailoring. <i>Nanomaterials</i> , 2021, 11, 1334.	1.9	8
21	Pyrolysis and combustion of polystyrene composites based on graphene oxide functionalized with 3-(methacryloyloxy)-propyltrimethoxysilane. <i>Journal of Polymer Engineering</i> , 2021, 41, 615-626.	0.6	3
22	Carbon Xerogel Nanostructures with Integrated Bi and Fe Components for Hydrogen Peroxide and Heavy Metal Detection. <i>Molecules</i> , 2021, 26, 117.	1.7	5
23	Insights into the Influence of Key Preparation Parameters on the Performance of MoS <sub>2</sub> /Graphene Oxide Composites as Active Materials in Supercapacitors. <i>Catalysts</i> , 2021, 11, 1553.	1.6	3
24	Bone regeneration response in an experimental long bone defect orthotopically implanted with alginateâ€œpullulanâ€œglassâ€œceramic composite scaffolds. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020, 108, 1129-1140.	1.6	17
25	Composites based on silicate bioactive glasses and silver iodide microcrystals for tissue engineering applications. <i>Journal of Non-Crystalline Solids</i> , 2020, 547, 120293.	1.5	4
26	New Insights into The Photoactivity of Shape-Tailored BiVO <sub>4</sub> Semiconductors via Photocatalytic Degradation Reactions and Classical Reduction Processes. <i>Molecules</i> , 2020, 25, 4842.	1.7	7
27	Controlled Synthesis of Visible Light Active Cu <sub>x</sub> S Photocatalyst: The Effect of Heat Treatment on Their Adsorption Capacity and Photoactivity. <i>Materials</i> , 2020, 13, 3665.	1.3	2
28	New fabrication method for producing reduced graphene oxide flexible electrodes by using a low-power visible laser diode engraving system. <i>Nanotechnology</i> , 2020, 31, 325402.	1.3	7
29	When the nanostructures meet the environmental health key issues. , 2020, , 1-33.		0
30	Optical Properties of Composites Based on Graphene Oxide and Polystyrene. <i>Molecules</i> , 2020, 25, 2419.	1.7	14
31	Controlled formation of Ag-Ag <sub>x</sub> O nanoparticles on the surface of commercial TiO <sub>2</sub> based composites for enhanced photocatalytic degradation of oxalic acid and phenol. <i>Catalysis Today</i> , 2020, , .	2.2	5
32	Pilot-plant scaled water treatment technologies, standards for the removal of contaminants of emerging concern based on photocatalytic materials. , 2020, , 493-523.		3
33	Application of TiO <sub>2</sub> -Cu Composites in Photocatalytic Degradation Different Pollutants and Hydrogen Production. <i>Catalysts</i> , 2020, 10, 85.	1.6	14
34	Multi-analyses of gallstones and correlation between their properties with the laboratory results. <i>Analytical Biochemistry</i> , 2020, 593, 113587.	1.1	8
35	Hydrothermal crystallization of bismuth oxybromide (BiOBr) in the presence of different shape controlling agents. <i>Applied Surface Science</i> , 2020, 518, 146184.	3.1	27
36	Morphological and structural investigation of the poly(vinyl chloride) / graphene oxide composites. <i>Studia Universitatis Babeş-Bolyai Chemia</i> , 2020, 65, 245-258.	0.1	2

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37	Perspectives of environmental health issues addressed by advanced nanostructures. , 2020, , 525-547.		0
38	Fabric impregnated with TiO <sub>2</sub> gel with self-cleaning property. International Journal of Applied Ceramic Technology, 2019, 16, 666-681.	1.1	17
39	The impact of copper oxide nanoparticles on the structure and applicability of bioactive glasses. Journal of Sol-Gel Science and Technology, 2019, 91, 634-643.	1.1	9
40	Insights into the effect of gold nanospheres, nanotriangles and spherical nanocages on the structural, morphological and biological properties of bioactive glasses. Journal of Non-Crystalline Solids, 2019, 522, 119552.	1.5	11
41	Skin wound regeneration with bioactive glass-gold nanoparticles ointment. Biomedical Materials (Bristol), 2019, 14, 025011.	1.7	51
42	Innovative visualization of the effects of crystal morphology on semiconductor photocatalysts. Tuning the H <sub>2</sub> O <sub>2</sub> polarity of the shape-tailoring agents: the case of Bi <sub>2</sub> WO <sub>6</sub> . CrystEngComm, 2019, 21, 1267-1278.	1.3	6
43	Designed and controlled synthesis of visible light active copper(I)oxide photocatalyst: From cubes towards the polyhedrons - with Cu nanoparticles. Applied Surface Science, 2019, 484, 175-183.	3.1	6
44	Insights Into Graphene-Based Materials as Counter Electrodes for Dye-Sensitized Solar Cells. , 2019, , 341-396.		2
45	The effect of the synthesis temperature and duration on the morphology and photocatalytic activity of BiOX (X = Cl, Br, I) materials. Applied Surface Science, 2019, 479, 745-756.	3.1	53
46	The Comparison of the Photocatalytic Performance Shown by TiO <sub>2</sub> and TiO <sub>2</sub> /WO <sub>3</sub> Composites: A Parametric and Kinetic Study. Journal of Nanoscience and Nanotechnology, 2019, 19, 356-365.	0.9	8
47	A Special Section on Shape Tailored Nanocrystals in Catalysis. Journal of Nanoscience and Nanotechnology, 2019, 19, 277-279.	0.9	0
48	Detailed Investigation of Phenol Degradation on Au/TiO <sub>2</sub> Composite Materials. Journal of Nanoscience and Nanotechnology, 2019, 19, 407-413.	0.9	5
49	Thiourea and Triton X-100 as shape manipulating tools or more for Bi <sub>2</sub> WO <sub>6</sub> photocatalysts?. Materials Science in Semiconductor Processing, 2018, 74, 21-30.	1.9	11
50	Insights into the morphological and structural particularities of highly sensitive porous bismuth-carbon nanocomposites based electrochemical sensors. Sensors and Actuators B: Chemical, 2018, 268, 398-410.	4.0	15
51	Novel synthesis approaches for WO <sub>3</sub> /TiO <sub>2</sub> /MWCNT composite photocatalysts- problematic issues of photoactivity enhancement factors. Catalysis Today, 2018, 300, 28-38.	2.2	22
52	Detailed Spectroscopic and Structural Analysis of TiO <sub>2</sub> /WO <sub>3</sub> Composite Semiconductors. Journal of Spectroscopy, 2018, 2018, 1-7.	0.6	19
53	Mapping the Photocatalytic Activity and Ecotoxicology of Au, Pt/TiO <sub>2</sub> Composite Photocatalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 12993-13006.	3.2	16
54	Improved bioactivity properties of SiO <sub>2</sub> -CaO-P <sub>2</sub> O <sub>5</sub> glasses by using calcium lactate pentahydrate as calcium oxide precursor. Journal of Non-Crystalline Solids, 2018, 498, 199-203.	1.5	2

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55	New alginate-pullulan-bioactive glass composites with copper oxide for bone tissue regeneration trials. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2018, 12, 2112-2121.	1.3	13
56	Thermal evolution of silver nanoparticles onto porous TiO <sub>2</sub> nanostructures. <i>Catalysis Today</i> , 2017, 284, 221-228.	2.2	2
57	Probing into the mesoporous structure of carbon xerogels via the low-field NMR relaxometry of water and cyclohexane molecules. <i>Microporous and Mesoporous Materials</i> , 2017, 251, 19-25.	2.2	13
58	The investigation of the photocatalytic efficiency of spherical gold nanocages/TiO <sub>2</sub> and silver nanospheres/TiO <sub>2</sub> composites. <i>Separation and Purification Technology</i> , 2017, 183, 216-225.	3.9	15
59	Novel bioactive glass-AuNP composites for biomedical applications. <i>Materials Science and Engineering C</i> , 2017, 76, 752-759.	3.8	20
60	UV Light-Assisted Degradation of Methyl Orange, Methylene Blue, Phenol, Salicylic Acid, and Rhodamine B: Photolysis Versus Photocatalysis. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	37
61	Versatile self-assembled graphene oxide membranes obtained under ambient conditions by using a water-ethanol suspension. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2132-2142.	5.2	26
62	Hybrid composite material based on graphene and polyhemin for electrochemical detection of hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2017, 802, 40-47.	1.9	8
63	Novel Applications and Future Perspectives of Nanocomposites. <i>Springer Series on Polymer and Composite Materials</i> , 2017, , 333-398.	0.5	2
64	Impact of drying procedure on the morphology and structure of TiO <sub>2</sub> xerogels and the performance of dye sensitized solar cells. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 81, 693-703.	1.1	12
65	Peroxo group enhanced nanorutile as visible light active photocatalyst. <i>Catalysis Today</i> , 2017, 284, 129-136.	2.2	18
66	Shape tailored Pd nanoparticles' effect on the photocatalytic activity of commercial TiO <sub>2</sub> . <i>Catalysis Today</i> , 2017, 284, 137-145.	2.2	13
67	Probing the connectivity and wettability of carbon aerogels and xerogels via low-field NMR. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
68	New Insights on the Simultaneous Removal by Adsorption on Organoclays of Humic Acid and Phenol. <i>Water (Switzerland)</i> , 2016, 8, 21.	1.2	7
69	Synthesis of Shape-Tailored WO <sub>3</sub> Micro-/Nanocrystals and the Photocatalytic Activity of WO <sub>3</sub> /TiO <sub>2</sub> Composites. <i>Materials</i> , 2016, 9, 258.	1.3	28
70	Titania effect on the bioactivity of silicate bioactive glasses. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 1102-1108.	1.2	6
71	Bioactive and biocompatible copper containing glass-ceramics with remarkable antibacterial properties and high cell viability designed for future in vivo trials. <i>Biomaterials Science</i> , 2016, 4, 1252-1265.	2.6	42
72	Attachment and conformational changes of collagen on bioactive glass surface. <i>Bio-Medical Materials and Engineering</i> , 2016, 27, 63-74.	0.4	6

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73	Laser-induced chemical transformation of free-standing graphene oxide membranes in liquid and gas ammonia environments. <i>RSC Advances</i> , 2016, 6, 50034-50042.	1.7	13
74	Silicosis, tuberculosis time bomb?. <i>Revista Portuguesa De Pneumologia</i> , 2016, 22, 355-357.	0.7	9
75	Changes in the microbiological and chemical characteristics of white bread during storage in paper packages modified with Ag/TiO <sub>2</sub> -SiO <sub>2</sub> , Ag/Ni-TiO <sub>2</sub> or Au/TiO <sub>2</sub> . <i>Food Chemistry</i> , 2016, 197, 790-798.	4.2	31
76	Shape-controlled agglomeration of TiO <sub>2</sub> nanoparticles. New insights on polycrystallinity vs. single crystals in photocatalysis. <i>Ceramics International</i> , 2016, 42, 3077-3087.	2.3	22
77	Preparation of TiO <sub>2</sub> /WO <sub>3</sub> composite photocatalysts by the adjustment of the semiconductors' surface charge. <i>Materials Science in Semiconductor Processing</i> , 2016, 42, 66-71.	1.9	34
78	Bioactivity evolution of the surface functionalized bioactive glasses. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 261-272.	1.6	30
79	Crystallographic holes: new insights for a beneficial structural feature for photocatalytic applications. <i>Nanoscale</i> , 2015, 7, 5776-5786.	2.8	11
80	Photocatalytic, Morphological and Structural Properties of the TiO <sub>2</sub> -SiO <sub>2</sub> -Ag Porous Structures Based System. <i>Materials</i> , 2015, 8, 1059-1073.	1.3	20
81	Differently Shaped Au Nanoparticles: A Case Study on the Enhancement of the Photocatalytic Activity of Commercial TiO <sub>2</sub> . <i>Materials</i> , 2015, 8, 162-180.	1.3	12
82	Visible light driven photocatalytic elimination of organic- and microbial pollution by rutile-phase titanium dioxides: new insights on the dynamic relationship between morpho-structural parameters and photocatalytic performance. <i>RSC Advances</i> , 2015, 5, 66636-66643.	1.7	11
83	Bismuth doped carbon xerogel nanocomposite incorporated in chitosan matrix for ultrasensitive voltammetric detection of Pb(II) and Cd(II). <i>Sensors and Actuators B: Chemical</i> , 2015, 220, 712-719.	4.0	46
84	Active Packaging System Based on Ag/TiO <sub>2</sub> Nanocomposite Used for Extending the Shelf Life of Bread. <i>Chemical and Microbiological Investigations. Packaging Technology and Science</i> , 2015, 28, 271-284.	1.3	69
85	Polyhedral Pt vs. spherical Pt nanoparticles on commercial titanias: Is shape tailoring a guarantee of achieving high activity?. <i>Journal of Catalysis</i> , 2015, 325, 156-167.	3.1	24
86	Silver functionalized titania-silica xerogels: Preparation, morpho-structural and photocatalytic properties, kinetic modeling. <i>Journal of Alloys and Compounds</i> , 2015, 648, 890-902.	2.8	18
87	Bioactivity evolution of calcium-free borophosphate glass with addition of titanium dioxide. <i>Journal of Non-Crystalline Solids</i> , 2015, 410, 112-117.	1.5	18
88	Pt/Ni-TiO <sub>2</sub> Aerogel Composites Used for Hydrogen Production Via Photocatalysis Process. <i>Catalysis Letters</i> , 2014, 144, 1955-1961.	1.4	16
89	Highlighting of structural units of B <sub>2</sub> O <sub>3</sub> -Li <sub>2</sub> O-P <sub>2</sub> O <sub>5</sub> system under heat treatment. <i>Materials Chemistry and Physics</i> , 2014, 143, 1271-1277.	2.0	14
90	Structural investigations of TiO <sub>2</sub> -WO <sub>3</sub> -Au porous composites. <i>Journal of Molecular Structure</i> , 2014, 1073, 150-156.	1.8	10

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91	TiO <sub>2</sub> /WO <sub>3</sub> /Au nanoarchitectures <sup>â€™</sup> photocatalytic activity, <sup>â€œ</sup> from degradation intermediates to catalysts <sup>â€™</sup> structural peculiarities <sup>â€œ</sup> , Part I: Aeroxide P25 based composites. Applied Catalysis B: Environmental, 2014, 147, 508-517.	10.8	37
92	Important Aspects on the Removal of Humic Acid and Phenolic Compounds with Clay Minerals. <sup>â€œ</sup> Synergism Provided by the Pollutants, Efficiency Given by the Media <sup>â€œ</sup> , Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	5
93	Photocatalytic hydrogen production using TiO <sub>2</sub> <sup>â€œ</sup> Pt aerogels. Chemical Engineering Journal, 2014, 242, 96-101.	6.6	66
94	TiO <sub>2</sub> /WO <sub>3</sub> /Au nanoarchitectures <sup>â€™</sup> photocatalytic activity <sup>â€œ</sup> from degradation intermediates to catalysts <sup>â€™</sup> structural peculiarities <sup>â€œ</sup> , Part II: Aerogel based composites <sup>â€œ</sup> fine details by spectroscopic means. Applied Catalysis B: Environmental, 2014, 148-149, 589-600.	10.8	26
95	Addressing the optimal silver content in bioactive glass systems in terms of BSA adsorption. Journal of Materials Chemistry B, 2014, 2, 5799-5808.	2.9	27
96	The silver influence on the structure and antibacterial properties of the bioactive 10B2O <sub>3</sub> <sup>âˆ™</sup> 30Na <sub>2</sub> O <sup>âˆ™</sup> 60P <sub>2</sub> O <sub>5</sub> glass. Journal of Non-Crystalline Solids, 2014, 402, 182-186.	1.5	25
97	Towards TiO <sub>2</sub> Ag porous nanocomposites based SERS sensors for chemical pollutant detection. Journal of Molecular Structure, 2014, 1073, 51-57.	1.8	18
98	Commercial and home-made nitrogen modified titanias. A short reflection about the advantageous/disadvantageous properties of nitrogen doping in the frame of their applicability. Journal of Molecular Structure, 2014, 1073, 157-163.	1.8	9
99	The effects of PEG assisted synthesis and zinc addition on gamma irradiated bioactive glasses. Composites Part B: Engineering, 2014, 66, 83-88.	5.9	9
100	Simion Simon. Journal of Molecular Structure, 2014, 1073, 1-2.	1.8	2
101	Photocatalytic Efficiency of Zeolite <sup>â€œ</sup> Based TiO <sub>2</sub> Composites for Reduction of Cu ( <sup>â€œ</sup> sc>ll</sc>): Kinetic Models. International Journal of Applied Ceramic Technology, 2014, 11, 568-581.	1.1	11
102	Efficiency of Cu/TiO <sub>2</sub> to remove salicylic acid by photocatalytic decomposition: kinetic modelling. Materials Technology, 2014, 29, 129-133.	1.5	13
103	The photocatalytic activity of TiO <sub>2</sub> /WO <sub>3</sub> /noble metal (Au or Pt) nanoarchitectures obtained by selective photodeposition. Catalysis Today, 2013, 208, 19-27.	2.2	81
104	Behavior of gold nanoparticles in a titania aerogel matrix: Photocatalytic activity assessment and structure investigations. Chinese Journal of Catalysis, 2013, 34, 734-740.	6.9	19
105	New insights regarding the calcination as a critical parameter in the synthesis of sol <sup>â€œ</sup> gel made titania powders. Journal of Sol-Gel Science and Technology, 2013, 65, 277-282.	1.1	5
106	Weighting the influence of TiO <sub>2</sub> anatase/brookite ratio in TiO <sub>2</sub> <sup>â€œ</sup> Ag porous nanocomposites on visible photocatalytic performances. Materials Chemistry and Physics, 2013, 141, 234-239.	2.0	8
107	The study of the structure and bioactivity of the B <sub>2</sub> O <sub>3</sub> <sup>â€œ</sup> Na <sub>2</sub> O <sup>â€œ</sup> P <sub>2</sub> O <sub>5</sub> system. Journal of Raman Spectroscopy, 2013, 44, 1187-1194.	1.1	13
108	TiO <sub>2</sub> /WO <sub>3</sub> /Au/MWCNT composite materials for photocatalytic hydrogen production: Advantages and draw <sup>â€œ</sup> backs. Physica Status Solidi (B): Basic Research, 2012, 249, 2592-2595.	0.7	14

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109	The anchoring of fibrinogen to a bioactive glass investigated by FT-IR spectroscopy. <i>Vibrational Spectroscopy</i> , 2012, 62, 172-179.	1.2	18
110	Insights on Ag doped porous TiO <sub>2</sub> nanostructures: a comprehensive study of their structural and morphological characteristics. <i>RSC Advances</i> , 2012, 2, 5358.	1.7	10
111	Experimental assessment of the phonon confinement in TiO <sub>2</sub> anatase nanocrystallites by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 876-883.	1.2	84
112	Bioactivity and protein attachment onto bioactive glasses containing silver nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2012, 100A, 1179-1186.	2.1	34
113	Gold nanoparticles developed in sol-gel derived apatite-bioactive glass composites. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 1193-1201.	1.7	18
114	Correlating the visible light photoactivity of N-doped TiO <sub>2</sub> with brookite particle size and bridged-nitro surface species. <i>Catalysis Communications</i> , 2012, 17, 1-7.	1.6	23
115	Dynamic changes on the surface during the calcination of rapid heat treated TiO <sub>2</sub> photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2012, 111-112, 595-604.	10.8	26
116	Silver effect on the structure of SiO <sub>2</sub> -CaO-P <sub>2</sub> O <sub>5</sub> ternary system. <i>Materials Science and Engineering C</i> , 2012, 32, 178-183.	3.8	53
117	The Influence of the Au Nanoparticles Dimension on the Photocatalytic Performances of TiO <sub>2</sub> -Au Porous Composites. <i>Acta Physica Polonica A</i> , 2012, 121, 208-210.	0.2	7
118	Developments And Perspectives In The Field Of Sers Based Biosensors. <i>Journal of Biosensors &amp; Bioelectronics</i> , 2012, 03, .	0.4	1
119	Vibrational Spectroscopic Studies of Germanium-High Bismuthate Glasses and Vitroceramics. <i>Zeitschrift Fur Physikalische Chemie</i> , 2011, 225, 647-660.	1.4	3
120	Efficient dual functionality of highly porous nanocomposites based on TiO <sub>2</sub> and noble metal particles. <i>Journal of Alloys and Compounds</i> , 2011, 509, 2672-2678.	2.8	30
121	Hydrogen peroxide versus water synthesis of bioglass-nanocrystalline hydroxyapatite composites. <i>Journal of Materials Science</i> , 2011, 46, 7393-7400.	1.7	13
122	Highly porous nanocomposites based on TiO <sub>2</sub> -noble metal particles for sensitive detection of water pollutants by SERS. <i>Journal of Physics: Conference Series</i> , 2011, 304, 012059.	0.3	12
123	Multilayer Structures of Self-Assembled Gold Nanoparticles as a Unique SERS and SEIRA Substrate. <i>ChemPhysChem</i> , 2009, 10, 1106-1111.	1.0	35
124	Synthesis, structural characterization, and photocatalytic properties of iron-doped TiO <sub>2</sub> aerogels. <i>Journal of Materials Science</i> , 2009, 44, 358-364.	1.7	52
125	Porous nanoarchitectures based on TiO <sub>2</sub> aerogels and Au particles as potential SERS sensor for monitoring of water quality. <i>Vibrational Spectroscopy</i> , 2008, 48, 206-209.	1.2	19
126	Structural properties of some transition metal highly doped carbon aerogels. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 854-857.	2.8	14

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127	Controlling gold nanoparticle assemblies for efficient surface-enhanced Raman scattering and localized surface plasmon resonance sensors. <i>Nanotechnology</i> , 2007, 18, 255702.	1.3	124
128	Structural properties of silver nanoclusters in phosphate glass composites. <i>Vibrational Spectroscopy</i> , 2007, 43, 313-318.	1.2	110
129	Surface-enhanced Raman scattering efficiency of truncated tetrahedral Ag nanoparticle arrays mediated by electromagnetic couplings. <i>Applied Physics Letters</i> , 2006, 88, 143121.	1.5	83
130	Gold Films Deposited over Regular Arrays of Polystyrene Nanospheres as Highly Effective SERS Substrates from Visible to NIR. <i>Journal of Physical Chemistry B</i> , 2006, 110, 23982-23986.	1.2	118
131	Probing the enhancement mechanisms of SERS with p-aminothiophenol molecules adsorbed on self-assembled gold colloidal nanoparticles. <i>Chemical Physics Letters</i> , 2006, 422, 127-132.	1.2	103
132	Synthesis and nanostructural characterization of TiO <sub>2</sub> aerogels for photovoltaic devices. <i>Thin Solid Films</i> , 2006, 511-512, 512-516.	0.8	53
133	Structural and morphological properties of silver nanoparticles in phosphate glass composites. <i>Chemical Physics</i> , 2006, 327, 63-69.	0.9	57
134	Vibrational and EPR spectroscopic investigation of heavy-metal-oxide glasses and vitroceraamics containing manganese. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 183-188.	1.2	9
135	The influence of manganese cations on the structure of lead high bismuthate glasses and glass ceramics. <i>Vibrational Spectroscopy</i> , 2005, 39, 127-130.	1.2	32
136	Gold nanostructured films deposited on polystyrene colloidal crystal templates for surface-enhanced Raman spectroscopy. <i>Chemical Physics Letters</i> , 2005, 404, 3-8.	1.2	80
137	Structural characteristics of B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> glasses with high transition metal oxide content. <i>Journal of Raman Spectroscopy</i> , 2005, 36, 262-266.	1.2	75
138	Structure-property correlations in hybrid sol-gel coatings as revealed by Raman spectroscopy. <i>Optical Materials</i> , 2004, 26, 173-179.	1.7	20
139	Surface-Enhanced Raman Scattering and Density Functional Theoretical Study of Anthranil Adsorbed on Colloidal Silver Particles. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17491-17496.	1.2	36
140	Title is missing!. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 369-373.	1.1	41
141	Characterization of Diffusion Processes of Pharmacologically Relevant Molecules through Polydimethylsiloxane Membranes by Confocal Micro-resonance Raman Spectroscopy. <i>ChemPhysChem</i> , 2003, 4, 296-299.	1.0	18
142	Vibrational spectroscopy of highly iron doped B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> glass systems. <i>Journal of Non-Crystalline Solids</i> , 2003, 324, 109-117.	1.5	167
143	Confocal Micro-Raman Spectroscopy: Theory and Application to a Hybrid Polymer Coating. <i>Applied Spectroscopy</i> , 2002, 56, 536-540.	1.2	60
144	Structural investigations of copper doped B <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> glasses with high bismuth oxide content. <i>Journal of Non-Crystalline Solids</i> , 2002, 303, 379-386.	1.5	213

#	ARTICLE	IF	CITATIONS
145	Confocal Raman investigations on hybrid polymer coatings. <i>Vibrational Spectroscopy</i> , 2002, 29, 245-249.	1.2	46
146	Raman and IR spectroscopic studies of manganese doped GeO <sub>2</sub> -Bi <sub>2</sub> O <sub>3</sub> glasses. <i>Journal of Molecular Structure</i> , 2001, 599, 9-13.	1.8	81