Lucian Baia

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8711040/publications.pdf

Version: 2024-02-01

146 papers	3,580 citations	136950 32 h-index	168389 53 g-index
148 all docs	148 docs citations	148 times ranked	4121 citing authors

#	Article	IF	Citations
1	Dependence of cationic dyesâ€™ adsorption upon Î±-MoO3 structural properties. Applied Surface Science, 2022, 573, 151584.	6.1	16
2	Influence of different silver species on the structure of bioactive silicate glasses. Journal of Non-Crystalline Solids, 2022, 583, 121498.	3.1	8
3	Bioactive Properties of Composites Based on Silicate Glasses and Different Silver and Gold Structures. Materials, 2022, 15, 1655.	2.9	2
4	Thermal Evolution of Câ€“Feâ€“Bi Nanocomposite System: From Nanoparticle Formation to Heterogeneous Graphitization Stage. Microscopy and Microanalysis, 2022, 28, 317-329.	0.4	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.	4.4	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.	6.7	8
7	Myth or reality? A disquisition concerning the photostability of bismuth-based photocatalysts. Journal of Environmental Chemical Engineering, 2022, 10, 107624.	6.7	2
8	Significance of the surface and bulk features of hierarchical TiO2 in their photocatalytic properties. Ceramics International, 2021, 47, 7088-7100.	4.8	5
9	SERS-active substrates based on graphene oxide or reduced graphene oxide and silver nanoparticles. Materials Today: Proceedings, 2021, 45, 4096-4099.	1.8	3
10	The Impact of Composites with Silicate-Based Glasses and Gold Nanoparticles on Skin Wound Regeneration. Molecules, 2021, 26, 620.	3.8	7
11	Shape tailoring of AgBr microstructures: effect of the cations of different bromide sources and applied surfactants. RSC Advances, 2021, 11, 9709-9720.	3.6	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.	4.5	14
13	The Effect of the Reducing Sugars in the Synthesis of Visible-Light-Active Copper(I) Oxide Photocatalyst. Molecules, 2021, 26, 1149.	3.8	2
14	Solvothermal Crystallization of Ag/AgxO-AgCl Composites: Effect of Different Chloride Sources/Shape-Tailoring Agents. Catalysts, 2021, 11, 379.	3.5	2
15	Bioactive glass-biopolymersâ€‘gold nanoparticle based composites for tissue engineering applications. Materials Science and Engineering C, 2021, 123, 112006.	7.3	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 TiO2. Metals, 2021, 11, 628.	2.3	1

#	Article	IF	Citations
19	The impact of Au nanoparticles and lanthanide-doped NaYF4 on the photocatalytic activity of titania photocatalyst. Applied Surface Science, 2021, 547, 149123.	6.1	7
20	Optimization Method of the Solvothermal Parameters Using Boxâ€“Behnken Experimental Designâ€”The Case Study of ZnO Structural and Catalytic Tailoring. Nanomaterials, 2021, 11, 1334.	4.1	8
21	Pyrolysis and combustion of polystyrene composites based on graphene oxide functionalized with 3-(methacryloyloxy)-propyltrimethoxysilane. Journal of Polymer Engineering, 2021, 41, 615-626.	1.4	3
22	Carbon Xerogel Nanostructures with Integrated Bi and Fe Components for Hydrogen Peroxide and Heavy Metal Detection. Molecules, 2021, 26, 117.	3.8	5
23	Insights into the Influence of Key Preparation Parameters on the Performance of MoS2/Graphene Oxide Composites as Active Materials in Supercapacitors. Catalysts, 2021, 11, 1553.	3.5	3
24	Bone regeneration response in an experimental long bone defect orthotopically implanted with alginateâ€pullulanâ€glassâ€ceramic composite scaffolds. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 1129-1140.	3.4	17
25	Composites based on silicate bioactive glasses and silver iodide microcrystals for tissue engineering applications. Journal of Non-Crystalline Solids, 2020, 547, 120293.	3.1	4
26	New Insights into The Photoactivity of Shape-Tailored BiVO4 Semiconductors via Photocatalytic Degradation Reactions and Classical Reduction Processes. Molecules, 2020, 25, 4842.	3.8	7
27	Controlled Synthesis of Visible Light Active CuxS Photocatalyst: The Effect of Heat Treatment on Their Adsorption Capacity and Photoactivity. Materials, 2020, 13, 3665.	2.9	2
28	New fabrication method for producing reduced graphene oxide flexible electrodes by using a low-power visible laser diode engraving system. Nanotechnology, 2020, 31, 325402.	2.6	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. Molecules, 2020, 25, 2419.	3.8	14
31	Controlled formation of Ag-AgxO nanoparticles on the surface of commercial TiO2 based composites for enhanced photocatalytic degradation of oxalic acid and phenol. Catalysis Today, 2020, , .	4.4	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 TiO2-Cu Composites in Photocatalytic Degradation Different Pollutants and Hydrogen Production. Catalysts, 2020, 10, 85.	3.5	14
34	Multi-analyses of gallstones and correlation between their properties with the laboratory results. Analytical Biochemistry, 2020, 593, 113587.	2.4	8
35	Hydrothermal crystallization of bismuth oxybromide (BiOBr) in the presence of different shape controlling agents. Applied Surface Science, 2020, 518, 146184.	6.1	27
36	Morphological and structural investigation of the poly(vinyl chloride) / graphene oxide composites. Studia Universitatis Babes-Bolyai Chemia, 2020, 65, 245-258.	0.2	2

#	Article	IF	Citations
37	Perspectives of environmental health issues addressed by advanced nanostructures. , 2020, , 525-547.		0
38	Fabric impregnated with TiO₂ gel with selfâ€cleaning property. International Journal of Applied Ceramic Technology, 2019, 16, 666-681.	2.1	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.	2.4	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.	3.1	11
41	Skin wound regeneration with bioactive glass-gold nanoparticles ointment. Biomedical Materials (Bristol), 2019, 14, 025011.	3.3	51
42	Innovative visualization of the effects of crystal morphology on semiconductor photocatalysts. Tuning the HÃ¼ckel polarity of the shape-tailoring agents: the case of Bi2WO6. CrystEngComm, 2019, 21, 1267-1278.	2.6	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.	6.1	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 (Xâ€¯=â€¯Cl, Br, I) materials. Applied Surface Science, 2019, 479, 745-756.	6.1	53
46	The Comparison of the Photocatalytic Performance Shown by TiO₂ and TiO₂/WO₃ Compositesâ€" 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/TiO₂ 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 2 WO 6 photocatalysts?. Materials Science in Semiconductor Processing, 2018, 74, 21-30.	4.0	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.	7.8	15
51	Novel synthesis approaches for WO3â€TiO2/MWCNT composite photocatalysts- problematic issues of photoactivity enhancement factors. Catalysis Today, 2018, 300, 28-38.	4.4	22
52	Detailed Spectroscopic and Structural Analysis of TiO2/WO3 Composite Semiconductors. Journal of Spectroscopy, 2018, 2018, 1-7.	1.3	19
53	Mapping the Photocatalytic Activity and Ecotoxicology of Au, Pt/TiO₂ Composite Photocatalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 12993-13006.	6.7	16
54	Improved bioactivity properties of SiO2-CaO-P2O5 glasses by using calcium l-lactate pentahydrate as calcium oxide precursor. Journal of Non-Crystalline Solids, 2018, 498, 199-203.	3.1	2

#	Article	IF	Citations
55	New alginate-pullulan-bioactive glass composites with copper oxide for bone tissue regeneration trials. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 2112-2121.	2.7	13
56	Thermal evolution of silver nanoparticles onto porous TiO 2 nanostructures. Catalysis Today, 2017, 284, 221-228.	4.4	2
57	Probing into the mesoporous structure of carbon xerogels via the low-field NMR relaxometry of water and cyclohexane molecules. Microporous and Mesoporous Materials, 2017, 251, 19-25.	4.4	13
58	The investigation of the photocatalytic efficiency of spherical gold nanocages/TiO 2 and silver nanospheres/TiO 2 composites. Separation and Purification Technology, 2017, 183, 216-225.	7.9	15
59	Novel bioactive glass-AuNP composites for biomedical applications. Materials Science and Engineering C, 2017, 76, 752-759.	7.3	20
60	UV Light-Assisted Degradation of Methyl Orange, Methylene Blue, Phenol, Salicylic Acid, and Rhodamine B: Photolysis Versus Photocatalyis. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	37
61	Versatile self-assembled graphene oxide membranes obtained under ambient conditions by using a waterâ€“ethanol suspension. Journal of Materials Chemistry A, 2017, 5, 2132-2142.	10.3	26
62	Hybrid composite material based on graphene and polyhemin for electrochemical detection of hydrogen peroxide. Journal of Electroanalytical Chemistry, 2017, 802, 40-47.	3.8	8
63	Novel Applications and Future Perspectives of Nanocomposites. Springer Series on Polymer and Composite Materials, 2017, , 333-398.	0.7	2
64	Impact of drying procedure on the morphology and structure of TiO2 xerogels and the performance of dye sensitized solar cells. Journal of Sol-Gel Science and Technology, 2017, 81, 693-703.	2.4	12
65	Peroxo group enhanced nanorutile as visible light active photocatalyst. Catalysis Today, 2017, 284, 129-136.	4.4	18
66	Shape tailored Pd nanoparticlesâ€™ effect on the photocatalytic activity of commercial TiO 2. Catalysis Today, 2017, 284, 137-145.	4.4	13
67	Probing the connectivity and wettability of carbon aerogels and xerogels via low-field NMR. AIP Conference Proceedings, 2017, , .	0.4	1
68	New Insights on the Simultaneous Removal by Adsorption on Organoclays of Humic Acid and Phenol. Water (Switzerland), 2016, 8, 21.	2.7	7
69	Synthesis of Shape-Tailored WO3 Micro-/Nanocrystals and the Photocatalytic Activity of WO3/TiO2 Composites. Materials, 2016, 9, 258.	2.9	28
70	Titania effect on the bioactivity of silicate bioactive glasses. Journal of Raman Spectroscopy, 2016, 47, 1102-1108.	2.5	6
71	Bioactive and biocompatible copper containing glass-ceramics with remarkable antibacterial properties and high cell viability designed for future in vivo trials. Biomaterials Science, 2016, 4, 1252-1265.	5.4	42
72	Attachment and conformational changes of collagen on bioactive glass surface. Bio-Medical Materials and Engineering, 2016, 27, 63-74.	0.6	6

#	Article	IF	Citations
73	Laser-induced chemical transformation of free-standing graphene oxide membranes in liquid and gas ammonia environments. RSC Advances, 2016, 6, 50034-50042.	3.6	13
74	Silicosis, tuberculosis time bomb?. Revista Portuguesa De Pneumologia, 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/TiO2â€“SiO2, Ag/Nâ€“TiO2 or Au/TiO2. Food Chemistry, 2016, 197, 790-798.	8.2	31
76	Shape-controlled agglomeration of TiO 2 nanoparticles. New insights on polycrystallinity vs. single crystals in photocatalysis. Ceramics International, 2016, 42, 3077-3087.	4.8	22
77	Preparation of TiO2/WO3 composite photocatalysts by the adjustment of the semiconductors' surface charge. Materials Science in Semiconductor Processing, 2016, 42, 66-71.	4.0	34
78	Bioactivity evolution of the surface functionalized bioactive glasses. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 261-272.	3.4	30
79	â€œCrystallographicâ€•holes: new insights for a beneficial structural feature for photocatalytic applications. Nanoscale, 2015, 7, 5776-5786.	5.6	11
80	Photocatalytic, Morphological and Structural Properties of the TiO2-SiO2-Ag Porous Structures Based System. Materials, 2015, 8, 1059-1073.	2.9	20
81	Differently Shaped Au Nanoparticles: A Case Study on the Enhancement of the Photocatalytic Activity of Commercial TiO2. Materials, 2015, 8, 162-180.	2.9	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. RSC Advances, 2015, 5, 66636-66643.	3.6	11
83	Bismuth doped carbon xerogel nanocomposite incorporated in chitosan matrix for ultrasensitive voltammetric detection of Pb(II) and Cd(II). Sensors and Actuators B: Chemical, 2015, 220, 712-719.	7.8	46
84	Active Packaging System Based on Ag/TiO₂ Nanocomposite Used for Extending the Shelf Life of Bread. Chemical and Microbiological Investigations. Packaging Technology and Science, 2015, 28, 271-284.	2.8	69
85	Polyhedral Pt vs. spherical Pt nanoparticles on commercial titanias: Is shape tailoring a guarantee of achieving high activity?. Journal of Catalysis, 2015, 325, 156-167.	6.2	24
86	Silver functionalized titania-silica xerogels: Preparation, morpho-structural and photocatalytic properties, kinetic modeling. Journal of Alloys and Compounds, 2015, 648, 890-902.	5.5	18
87	Bioactivity evolution of calcium-free borophosphate glass with addition of titanium dioxide. Journal of Non-Crystalline Solids, 2015, 410, 112-117.	3.1	18
88	Pt/Nâ€“TiO2 Aerogel Composites Used for Hydrogen Production Via Photocatalysis Process. Catalysis Letters, 2014, 144, 1955-1961.	2.6	16
89	Highlighting of structural units of B2O3â€“Li2Oâ€“P2O5 system under heat treatment. Materials Chemistry and Physics, 2014, 143, 1271-1277.	4.0	14
90	Structural investigations of TiO2â€“WO3â€“Au porous composites. Journal of Molecular Structure, 2014, 1073, 150-156.	3.6	10

#	Article	IF	Citations
91	TiO2/WO3/Au nanoarchitecturesâ€™ photocatalytic activity, â€œfrom degradation intermediates to catalystsâ€™ structural peculiaritiesâ€• Part I: Aeroxide P25 based composites. Applied Catalysis B: Environmental, 2014, 147, 508-517.	20.2	37
92	Important Aspects on the Removal of Humic Acid and Phenolic Compounds with Clay Minerals. â€œSynergism Provided by the Pollutants, Efficiency Given by the Mediaâ€• Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	5
93	Photocatalytic hydrogen production using TiO2â€“Pt aerogels. Chemical Engineering Journal, 2014, 242, 96-101.	12.7	66
94	TiO2/WO3/Au nanoarchitecturesâ€™ photocatalytic activity â€œfrom degradation intermediates to catalystsâ€™ structural peculiaritiesâ€•Part II: Aerogel based composites â€“ fine details by spectroscopic means. Applied Catalysis B: Environmental, 2014, 148-149, 589-600.	20.2	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.	5.8	27
96	The silver influence on the structure and antibacterial properties of the bioactive 10B2O3â˜30Na2Oâ˜60P2O2 glass. Journal of Non-Crystalline Solids, 2014, 402, 182-186.	3.1	25
97	Towards TiO2Ag porous nanocomposites based SERS sensors for chemical pollutant detection. Journal of Molecular Structure, 2014, 1073, 51-57.	3.6	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.	3.6	9
99	The effects of PEG assisted synthesis and zinc addition on gamma irradiated bioactive glasses. Composites Part B: Engineering, 2014, 66, 83-88.	12.0	9
100	Simion Simon. Journal of Molecular Structure, 2014, 1073, 1-2.	3.6	2
101	Photocatalytic Efficiency of Zeoliteâ€Based TiO₂ Composites for Reduction of Cu (<scp>II</scp>): Kinetic Models. International Journal of Applied Ceramic Technology, 2014, 11, 568-581.	2.1	11
102	Efficiency of Cu/TiO₂to remove salicylic acid by photocatalytic decomposition: kinetic modelling. Materials Technology, 2014, 29, 129-133.	3.0	13
103	The photocatalytic activity of TiO2/WO3/noble metal (Au or Pt) nanoarchitectures obtained by selective photodeposition. Catalysis Today, 2013, 208, 19-27.	4.4	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.	14.0	19
105	New insights regarding the calcination as a critical parameter in the synthesis of solâ€“gel made titania powders. Journal of Sol-Gel Science and Technology, 2013, 65, 277-282.	2.4	5
106	Weighting the influence of TiO2 anatase/brookite ratio in TiO2â€“Ag porous nanocomposites on visible photocatalytic performances. Materials Chemistry and Physics, 2013, 141, 234-239.	4.0	8
107	The study of the structure and bioactivity of the B₂O₃â€‰â€¢â€‰Na₂Oâ€‰â€¢â€‰P₂O₅ system. Journal of Raman Spectroscopy, 2013, 44, 1187-1194.	2.6	39
108	TiO₂/WO₃/Au/MWCNT composite materials for photocatalytic hydrogen production: Advantages and drawâ€backs. Physica Status Solidi (B): Basic Research, 2012, 249, 2592-2595.	1.5	14

#	Article	IF	Citations
109	The anchoring of fibrinogen to a bioactive glass investigated by FT-IR spectroscopy. Vibrational Spectroscopy, 2012, 62, 172-179.	2.2	18
110	Insights on Ag doped porous TiO2 nanostructures: a comprehensive study of their structural and morphological characteristics. RSC Advances, 2012, 2, 5358.	3.6	10
111	Experimental assessment of the phonon confinement in TiO₂ anatase nanocrystallites by Raman spectroscopy. Journal of Raman Spectroscopy, 2012, 43, 876-883.	2.5	84
112	Bioactivity and protein attachment onto bioactive glasses containing silver nanoparticles. Journal of Biomedical Materials Research - Part A, 2012, 100A, 1179-1186.	4.0	34
113	Gold nanoparticles developed in solâ€“gel derived apatiteâ€”bioactive glass composites. Journal of Materials Science: Materials in Medicine, 2012, 23, 1193-1201.	3.6	18
114	Correlating the visible light photoactivity of N-doped TiO2 with brookite particle size and bridged-nitro surface species. Catalysis Communications, 2012, 17, 1-7.	3.3	23
115	Dynamic changes on the surface during the calcination of rapid heat treated TiO2 photocatalysts. Applied Catalysis B: Environmental, 2012, 111-112, 595-604.	20.2	26
116	Silver effect on the structure of SiO2-CaO-P2O5 ternary system. Materials Science and Engineering C, 2012, 32, 178-183.	7.3	53
117	The Influence of the Au Nanoparticles Dimension on the Photocatalytic Performances of TiO₂-Au Porous Composites. Acta Physica Polonica A, 2012, 121, 208-210.	0.5	7
118	Developments And Perspectives In The Field Of Sers Based Biosensors. Journal of Biosensors & Bioelectronics, 2012, 03, .	0.4	1
119	Vibrational Spectroscopic Studies of Germanium-High Bismuthate Glasses and Vitroceramics. Zeitschrift Fur Physikalische Chemie, 2011, 225, 647-660.	2.8	3
120	Efficient dual functionality of highly porous nanocomposites based on TiO2 and noble metal particles. Journal of Alloys and Compounds, 2011, 509, 2672-2678.	5.5	30
121	Hydrogen peroxide versus water synthesis of bioglassâ€“nanocrystalline hydroxyapatite composites. Journal of Materials Science, 2011, 46, 7393-7400.	3.7	13
122	Highly porous nanocomposites based on TiO2-noble metal particles for sensitive detection of water pollutants by SERS. Journal of Physics: Conference Series, 2011, 304, 012059.	0.4	12
123	Multilayer Structures of Selfâ€Assembled Gold Nanoparticles as a Unique SERS and SEIRA Substrate. ChemPhysChem, 2009, 10, 1106-1111.	2.1	35
124	Synthesis, structural characterization, and photocatalytic properties of iron-doped TiO2 aerogels. Journal of Materials Science, 2009, 44, 358-364.	3.7	52
125	Porous nanoarchitectures based on TiO2 aerogels and Au particles as potential SERS sensor for monitoring of water quality. Vibrational Spectroscopy, 2008, 48, 206-209.	2.2	19
126	Structural properties of some transition metal highly doped carbon aerogels. Journal of Alloys and Compounds, 2007, 434-435, 854-857.	5.5	14

#	Article	IF	Citations
127	Controlling gold nanoparticle assemblies for efficient surface-enhanced Raman scattering and localized surface plasmon resonance sensors. Nanotechnology, 2007, 18, 255702.	2.6	124
128	Structural properties of silver nanoclustersâ€“phosphate glass composites. Vibrational Spectroscopy, 2007, 43, 313-318.	2.2	110
129	Surface-enhanced Raman scattering efficiency of truncated tetrahedral Ag nanoparticle arrays mediated by electromagnetic couplings. Applied Physics Letters, 2006, 88, 143121.	3.3	83
130	Gold Films Deposited over Regular Arrays of Polystyrene Nanospheres as Highly Effective SERS Substrates from Visible to NIR. Journal of Physical Chemistry B, 2006, 110, 23982-23986.	2.6	118
131	Probing the enhancement mechanisms of SERS with p-aminothiophenol molecules adsorbed on self-assembled gold colloidal nanoparticles. Chemical Physics Letters, 2006, 422, 127-132.	2.6	103
132	Synthesis and nanostructural characterization of TiO2 aerogels for photovoltaic devices. Thin Solid Films, 2006, 511-512, 512-516.	1.8	53
133	Structural and morphological properties of silver nanoparticlesâ€“phosphate glass composites. Chemical Physics, 2006, 327, 63-69.	1.9	57
134	Vibrational and EPR spectroscopic investigation of heavy-metal-oxide glasses and vitroceramics containing manganese. Journal of Raman Spectroscopy, 2006, 37, 183-188.	2.5	9
135	The influence of manganese cations on the structure of lead high bismuthate glasses and glass ceramics. Vibrational Spectroscopy, 2005, 39, 127-130.	2.2	32
136	Gold nanostructured films deposited on polystyrene colloidal crystal templates for surface-enhanced Raman spectroscopy. Chemical Physics Letters, 2005, 404, 3-8.	2.6	80
137	Structural characteristics of B2O3?Bi2O3 glasses with high transition metal oxide content. Journal of Raman Spectroscopy, 2005, 36, 262-266.	2.5	75
138	Structureâ€“property correlations in hybrid solâ€“gel coatings as revealed by Raman spectroscopy. Optical Materials, 2004, 26, 173-179.	3.6	20
139	Surface-Enhanced Raman Scattering and Density Functional Theoretical Study of Anthranil Adsorbed on Colloidal Silver Particles. Journal of Physical Chemistry B, 2004, 108, 17491-17496.	2.6	36
140	Title is missing!. Journal of Sol-Gel Science and Technology, 2003, 26, 369-373.	2.4	41
141	Characterization of Diffusion Processes of Pharmacologically Relevant Molecules through Polydimethylsiloxane Membranes by Confocal Micro-resonance Raman Spectroscopy. ChemPhysChem, 2003, 4, 296-299.	2.1	18
142	Vibrational spectroscopy of highly iron doped B2O3â€“Bi2O3 glass systems. Journal of Non-Crystalline Solids, 2003, 324, 109-117.	3.1	167
143	Confocal Micro-Raman Spectroscopy: Theory and Application to a Hybrid Polymer Coating. Applied Spectroscopy, 2002, 56, 536-540.	2.2	60
144	Structural investigations of copper doped B2O3â€“Bi2O3 glasses with high bismuth oxide content. Journal of Non-Crystalline Solids, 2002, 303, 379-386.	3.1	213

#	Article	IF	Citations
145	Confocal Raman investigations on hybrid polymer coatings. Vibrational Spectroscopy, 2002, 29, 245-249.	2.2	46
146	Raman and IR spectroscopic studies of manganese doped GeO 2 â€“Bi 2 O 3 glasses. Journal of Molecular Structure, 2001, 599, 9-13.	3.6	81