

Emmanouel Koudoumas

List of Publications by Year in descending order

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174
papers

4,521
citations

76196

40
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133063

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176
all docs

176
docs citations

176
times ranked

5408
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Investigations in Electrochromic Vanadium Pentoxide Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100431.	0.8	7
2	Novel Water-Based Paints for Composite Materials Used in Electromagnetic Shielding Applications. <i>Nanomaterials</i> , 2022, 12, 487.	1.9	10
3	3D Printed Metal Oxide-Polymer Composite Materials for Antifouling Applications. <i>Nanomaterials</i> , 2022, 12, 917.	1.9	3
4	Silicon Nanosheets: An Emerging 2D Photonic Material with a Large Transient Nonlinear Optical Response beyond Graphene. <i>Nanomaterials</i> , 2022, 12, 90.	1.9	6
5	WO ₃ Films Grown by Spray Pyrolysis for Smart Windows Applications. <i>Coatings</i> , 2022, 12, 545.	1.2	6
6	Electromagnetic Shielding of Composite Films Based on Graphite, Graphitized Carbon Black and Iron-Oxide. <i>Coatings</i> , 2022, 12, 665.	1.2	7
7	Carbon Allotropes-Based Paints and Their Composite Coatings for Electromagnetic Shielding Applications. <i>Nanomaterials</i> , 2022, 12, 1839.	1.9	6
8	Electrochromic response and porous structure of WO ₃ cathode layers. <i>Electrochimica Acta</i> , 2021, 376, 138049.	2.6	32
9	Influence of Mg doping on the ultrafast electron dynamics of VO ₂ films. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	2
10	Innovative Ag@TiO ₂ Nanofibers with Excellent Photocatalytic and Antibacterial Actions. <i>Catalysts</i> , 2021, 11, 1234.	1.6	18
11	PLA nanocomposites with antimicrobial action, based on olive fruit polyphenols and citrus fruit extracts encapsulated in Maltodextrin. , 2021, , .		0
12	Towards High Performance Chemical Vapour Deposition V ₂ O ₅ Cathodes for Batteries Employing Aqueous Media. <i>Molecules</i> , 2020, 25, 5558.	1.7	9
13	Annealing Effect on the Properties of Electrochromic V ₂ O ₅ Thin Films Grown by Spray Deposition Technique. <i>Nanomaterials</i> , 2020, 10, 2397.	1.9	12
14	Renewable/Fuel Cell Hybrid Power System Operation Using Two Search Controllers of the Optimal Power Needed on the DC Bus. <i>Energies</i> , 2020, 13, 6111.	1.6	6
15	The Mechanical and Physical Properties of 3D-Printed Materials Composed of ABS-ZnO Nanocomposites and ABS-ZnO Microcomposites. <i>Micromachines</i> , 2020, 11, 615.	1.4	46
16	Mechanical Properties of 3D-Printed Acrylonitrile-Butadiene-Styrene TiO ₂ and ATO Nanocomposites. <i>Polymers</i> , 2020, 12, 1589.	2.0	46
17	AFM studies on surface morphology evolution after annealing of V ₂ O ₅ thin films grown by spray pyrolysis. , 2020, , .		0
18	Effect of Graphene Nanoplatelets on the Structure, the Morphology, and the Dielectric Behavior of Low-Density Polyethylene Nanocomposites. <i>Materials</i> , 2020, 13, 4776.	1.3	13

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19	Sustainable Additive Manufacturing: Mechanical Response of Acrylonitrile-Butadiene-Styrene over Multiple Recycling Processes. <i>Sustainability</i> , 2020, 12, 3568.	1.6	74
20	Mechanical and Electrical Properties Investigation of 3D-Printed Acrylonitrile-Butadiene-Styrene Graphene and Carbon Nanocomposites. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1909-1918.	1.2	63
21	Assessing the type and quality of high voltage composite outdoor insulators by remote laser-induced breakdown spectroscopy analysis: A feasibility study. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2020, 165, 105768.	1.5	12
22	Tuning electrical properties of polythiophene/nickel nanocomposites via fabrication. <i>Materials and Design</i> , 2019, 182, 108027.	3.3	12
23	Tungsten doping effect on V2O5 thin film electrochromic performance. <i>Electrochimica Acta</i> , 2019, 321, 134743.	2.6	47
24	Graphene-based materials and their biomedical and environmental applications: Recent advances. , 2019, , 243-257.		1
25	Nanostructured ZnO-based materials for biomedical and environmental applications. , 2019, , 285-305.		1
26	Novel Spark Method for Deposition of Metal Oxide Thin Films: Deposition of Hexagonal Tungsten Oxide (Phys. Status Solidi A 7â•2019). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1970028.	0.8	2
27	Effect of Zinc Oxide concentration on the dielectric properties of 3D Printed Acrylonitrile Butadiene Styrene nanocomposites. , 2019, , .		3
28	A comprehensive investigation of the mechanical behavior and the dielectrics of pure polylactic acid (PLA) and PLA with graphene (GnP) in fused deposition modeling (FDM). <i>International Journal of Plastics Technology</i> , 2019, 23, 195-206.	2.9	52
29	Novel Spark Method for Deposition of Metal Oxide Thin Films: Deposition of Hexagonal Tungsten Oxide. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800513.	0.8	4
30	Preparation and characterization of Ni, Co doped ZnO nanoparticles for photocatalytic applications. <i>Applied Surface Science</i> , 2018, 448, 481-488.	3.1	130
31	Zinc oxide-graphene based composite layers for electromagnetic interference shielding in the GHz frequency range. <i>Thin Solid Films</i> , 2018, 651, 152-157.	0.8	17
32	Comparative Study of Sm and La Doped ZnO Properties. , 2018, , .		0
33	Effect of deposition temperature on the electrochromic properties of WO3 grown by LPCVD. <i>Advanced Materials Letters</i> , 2018, 9, 192-198.	0.3	5
34	The effect of growth time and oxygen flow on the properties of electrochromic WO3 thin layers grown by LPCVD. <i>Advanced Materials Letters</i> , 2018, 9, 578-584.	0.3	7
35	Oxygen and temperature effects on the electrochemical and electrochromic properties of rf-sputtered V2O5 thin films. <i>Electrochimica Acta</i> , 2017, 232, 54-63.	2.6	40
36	Cationic Effect on the Electrochemical Characteristics of the Hydrothermally Grown Manganese Dioxide. <i>Journal of Electronic Materials</i> , 2017, 46, 2232-2240.	1.0	14

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37	A study of the electromagnetic shielding mechanisms in the GHz frequency range of graphene based composite layers. Applied Surface Science, 2017, 398, 15-18.	3.1	49
38	Tunable Properties of Mg-Doped V ₂ O ₅ Thin Films for Energy Applications: Li-Ion Batteries and Electrochromics. Journal of Physical Chemistry C, 2017, 121, 70-79.	1.5	82
39	Ternary organic solar cells incorporating zinc phthalocyanine with improved performance exceeding 8.5%. Dyes and Pigments, 2017, 146, 408-413.	2.0	23
40	Insulators' pollution problem: Experience from the coastal transmission system of Crete. , 2017, , .		4
41	Atmospheric Pressure Chemical Vapor Deposition of Vanadium Oxides at 300 Å°C for Li-Ion Batteries. Materials Focus, 2017, 6, 314-318.	0.4	0
42	Oxygen source-Oriented Control of APCVD VO ₂ for Capacitive Applications. Journal of Electrochemical Science and Engineering, 2016, , .	1.6	3
43	Study of thermochromic VO ₂ material as thermal switch for power lines. , 2016, , .		1
44	Electrochemical Properties of APCVD Fe ₂ O ₃ Nanoparticles at 300 °C. ChemistrySelect, 2016, 1, 2228-2234.	0.7	2
45	Ultrafast Processes in Graphene Oxide during Femtosecond Laser Excitation. Journal of Physical Chemistry C, 2016, 120, 4104-4111.	1.5	17
46	Capacitive behavior of Ag doped V ₂ O ₅ grown by aerosol assisted chemical vapour deposition. Electrochimica Acta, 2016, 196, 294-299.	2.6	41
47	Hydrothermal Growth of MnO ₂ at 95 oC as an Anode Material. International Journal of Thin Film Science and Technology, 2016, 5, 121-127.	0.6	9
48	Laboratory Investigation of the Hydrophobicity Transfer Mechanism on Composite Insulators Aged in Coastal Service. Engineering, Technology & Applied Science Research, 2016, 6, 1124-1129.	0.8	5
49	Atmospheric Pressure Chemical Vapor Deposition Of Amorphous Tungsten Doped Vanadium Dioxide For Smart Window Applications Å. Advanced Materials Letters, 2016, 7, 192-196.	0.3	19
50	Electrochemical Performance of Vanadium Oxide Coatings Grown using Atmospheric Pressure CVD. Chemical Vapor Deposition, 2015, 21, 369-374.	1.4	14
51	Effect of O ₂ flow rate on the thermochromic performance of VO ₂ coatings grown by atmospheric pressure CVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 856-860.	0.8	9
52	Effect of O ₂ flow rate on the electrochromic response of WO ₃ grown by LPCVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 1011-1015.	0.8	13
53	Electrochemical evaluation of vanadium pentoxide coatings grown by AACVD. Solar Energy Materials and Solar Cells, 2015, 143, 601-605.	3.0	11
54	Nanostructured composite layers for electromagnetic shielding in the GHz frequency range. Applied Surface Science, 2015, 352, 151-154.	3.1	14

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55	Low Pressure CVD of Electrochromic WO ₃ at 400°C. Journal of the Electrochemical Society, 2015, 162, H579-H582.	1.3	39
56	Effect of solution chemistry on the characteristics of hydrothermally grown WO ₃ for electroactive applications. Thin Solid Films, 2015, 594, 333-337.	0.8	13
57	One-pot synthesis of WO ₃ structures at 95°C using HCl. Journal of Sol-Gel Science and Technology, 2015, 73, 520-526.	1.1	22
58	Study of the pH effect on the properties of the hydrothermally grown V ₂ O ₅ . Thin Solid Films, 2015, 594, 338-342.	0.8	4
59	Hydrophobicity transfer mechanism evaluation of field aged composite insulators. , 2015, , .		2
60	Amorphous Thermo-chromic VO ₂ Coatings Grown By APCVD At Low Temperatures. Advanced Materials Letters, 2015, 6, 660-663.	0.3	9
61	Broadband near infrared optical power limiting of few layered graphene oxides. Applied Physics Letters, 2014, 104, 191112.	1.5	44
62	Electrochemical properties of opal-V ₆ O ₁₃ composites. Journal of Alloys and Compounds, 2014, 586, 621-626.	2.8	14
63	Hydrothermally grown V ₂ O ₅ electrode at 95°C. Journal of Colloid and Interface Science, 2014, 424, 1-6.	5.0	31
64	Photocatalytic properties of chemically grown vanadium oxide at 65°C. Thin Solid Films, 2014, 555, 169-172.	0.8	11
65	Influence of precursor type, deposition time and doping concentration on the morphological, electrical and optical properties of ZnO and ZnO:Al thin films grown by ultrasonic spray pyrolysis. Thin Solid Films, 2014, 555, 62-67.	0.8	33
66	Electrochemical properties of vanadium oxide coatings grown by hydrothermal synthesis on FTO substrates. New Journal of Chemistry, 2014, 38, 1959-1964.	1.4	37
67	Hydrothermal growth and characterization of shape-controlled NH ₄ V ₃ O ₈ . New Journal of Chemistry, 2014, 38, 2098-2104.	1.4	17
68	Thermo-chromic amorphous VO ₂ coatings grown by APCVD using a single-precursor. Solar Energy Materials and Solar Cells, 2014, 128, 36-40.	3.0	57
69	Electrodeposition Of V ₂ O ₅ Using Ammonium Metavanadate At Room Room Temperature. Advanced Materials Letters, 2014, 5, 569-572.	0.3	9
70	Optical limiting action of few layered graphene oxide dispersed in different solvents. Optical Materials, 2013, 36, 112-117.	1.7	60
71	Electrochemical properties of vanadium oxide coatings grown by APCVD on glass substrates. Surface and Coatings Technology, 2013, 230, 186-189.	2.2	33
72	Electrochemical Activity of Electrodeposited V ₂ O ₅ Coatings. Journal of the Electrochemical Society, 2013, 160, D6-D9.	1.3	37

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73	Effect of gold and silver nanoislands on the electrochemical properties of carbon nanofoam. <i>Electrochimica Acta</i> , 2013, 111, 305-313.	2.6	16
74	Thermochromic Vanadium Oxide Coatings Grown by APCVD at Low Temperatures. <i>Physics Procedia</i> , 2013, 46, 137-141.	1.2	31
75	Plasmonic organic photovoltaic devices with graphene based buffer layers for stability and efficiency enhancement. <i>Nanoscale</i> , 2013, 5, 4144.	2.8	57
76	Precursor concentration effect on structure and morphology of ZnO for coatings on fabric substrates. <i>Acta Chemica Iasi</i> , 2013, 21, 107-118.	0.1	4
77	Comparative study on field collected samples of aged silicon rubber composite coatings for high voltage insulators. <i>Acta Chemica Iasi</i> , 2013, 21, 93-106.	0.1	1
78	Effect of Deposition Current Density on Electrodeposited Vanadium Oxide Coatings. <i>Journal of the Electrochemical Society</i> , 2012, 159, E145-E147.	1.3	17
79	Organic Bulk Heterojunction Photovoltaic Devices Based on Polythiophene-Graphene Composites. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 4864-4870.	4.0	52
80	Electrochemical properties of amorphous WO ₃ coatings grown on polycarbonate by aerosol-assisted CVD. <i>Electrochimica Acta</i> , 2012, 65, 185-189.	2.6	34
81	Spin coated carbon nanotubes as the hole transport layer in organic photovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2012, 96, 298-301.	3.0	59
82	A study of the electrochemical performance of vanadium oxide thin films grown by atmospheric pressure chemical vapour deposition. <i>Solar Energy Materials and Solar Cells</i> , 2011, 95, 2842-2847.	3.0	75
83	Photoluminescence study of ZnO structures grown by aqueous chemical growth. <i>Thin Solid Films</i> , 2011, 520, 1353-1357.	0.8	18
84	Spin coated graphene films as the transparent electrode in organic photovoltaic devices. <i>Thin Solid Films</i> , 2011, 520, 1238-1241.	0.8	79
85	Plasmonic Organic Photovoltaic Devices on Transparent Carbon Nanotube Films. <i>IEEE Transactions on Electron Devices</i> , 2011, 58, 860-864.	1.6	28
86	Electrochemical and photocatalytic properties of WO ₃ coatings grown at low temperatures. <i>Journal of Materials Chemistry</i> , 2011, 21, 513-517.	6.7	64
87	Hydrothermal growth of V ₂ O ₅ photoactive films at low temperatures. <i>Materials Chemistry and Physics</i> , 2010, 124, 319-322.	2.0	32
88	Modeling the photovoltaic potential of a site. <i>Renewable Energy</i> , 2010, 35, 1387-1390.	4.3	52
89	Zinc oxide films chemically grown onto rigid and flexible substrates for TFT applications. <i>Physica B: Condensed Matter</i> , 2010, 405, 4389-4392.	1.3	3
90	A Comparative Study of the Photoinduced Properties of TiO ₂ /SiO ₂ and TiO ₂ /ZnO/SiO ₂ Layers Prepared by Chemical Routes. <i>ECS Transactions</i> , 2009, 25, 73-80.	0.3	3

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91	Photoinduced hydrophilic and photocatalytic response of hydrothermally grown TiO ₂ nanostructured thin films. <i>Solid State Sciences</i> , 2009, 11, 1499-1502.	1.5	31
92	Influence of thickness and growth temperature on the optical and electrical properties of ZnO thin films. <i>Thin Solid Films</i> , 2009, 517, 4303-4306.	0.8	53
93	Growth of c-axis oriented ZnO nanowires from aqueous solution: The decisive role of a seed layer for controlling the wires' diameter. <i>Journal of Crystal Growth</i> , 2009, 311, 4799-4804.	0.7	76
94	Nonlinear optical response of titanium oxide nanostructured thin films. <i>Thin Solid Films</i> , 2009, 518, 1174-1176.	0.8	26
95	One pot direct hydrothermal growth of photoactive TiO ₂ films on glass. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2009, 202, 81-85.	2.0	27
96	Influence of solution chemistry on the properties of hydrothermally grown TiO ₂ for advanced applications. <i>Catalysis Today</i> , 2009, 144, 172-176.	2.2	28
97	Polymer-nanotube composite mats with improved field emission performance and stability. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 703-709.	1.3	12
98	Influence of solution concentration and temperature on the aqueous chemical growth of zinc oxide structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3348-3352.	0.8	4
99	CaS:Eu,Sm and CaS:Ce,Sm films grown by embedding active powder into an inert matrix. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008, 150, 130-134.	1.7	12
100	Structural and morphological properties of thin ZnO films grown by pulsed laser deposition. <i>Applied Surface Science</i> , 2008, 254, 5475-5480.	3.1	17
101	Light-induced reversible hydrophilicity of ZnO structures grown by aqueous chemical growth. <i>Applied Surface Science</i> , 2008, 254, 5695-5699.	3.1	67
102	Carbon nanotube doping of P3HT:PCBM photovoltaic devices. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 165110.	1.3	84
103	P3HT/PCBM/SWNTs photovoltaic devices. , 2008, , .		1
104	Effective mobility and photocurrent in carbon nanotube-polymer composite photovoltaic cells. <i>Nanotechnology</i> , 2007, 18, 435702.	1.3	68
105	Photoluminescence of ZnO nanostructures grown by the aqueous chemical growth technique. <i>Superlattices and Microstructures</i> , 2007, 42, 473-478.	1.4	49
106	pH effect on the morphology of ZnO nanostructures grown with aqueous chemical growth. <i>Thin Solid Films</i> , 2007, 515, 8764-8767.	0.8	90
107	Europium and samarium doped calcium sulfide thin films grown by PLD. <i>Applied Surface Science</i> , 2007, 253, 8169-8173.	3.1	13
108	Substrate temperature influence on the properties of nanostructured ZnO transparent ultrathin films grown by PLD. <i>Applied Surface Science</i> , 2007, 253, 8141-8145.	3.1	26

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109	Nonlinear optical response of silicon nanocrystals. <i>Optical Materials</i> , 2007, 30, 260-263.	1.7	13
110	The effect of growth time on the morphology of ZnO structures deposited on Si (100) by the aqueous chemical growth technique. <i>Journal of Crystal Growth</i> , 2007, 308, 105-109.	0.7	36
111	Ozone sensing properties of ZnO nanostructures grown by the aqueous chemical growth technique. <i>Sensors and Actuators B: Chemical</i> , 2007, 124, 187-191.	4.0	49
112	Integration of carbon nanotubes as hole transport electrode in polymer/fullerene bulk heterojunction solar cells. <i>Thin Solid Films</i> , 2007, 515, 8598-8600.	0.8	57
113	Thickness influence on surface morphology and ozone sensing properties of nanostructured ZnO transparent thin films grown by PLD. <i>Applied Surface Science</i> , 2006, 252, 5351-5354.	3.1	65
114	Ultrafast third-order nonlinear optical response of C ₈₄ , C ₈₄ â€“D ₂ (IV) and C ₈₄ â€“D _{2d} (II). <i>Chemical Physics Letters</i> , 2006, 425, 110-113.	1.2	5
115	Bi-layer photovoltaic devices with PPQ as the electron acceptor layer. <i>Solar Energy Materials and Solar Cells</i> , 2006, 90, 1705-1714.	3.0	9
116	Carbon nanotube/PEDOT:PSS electrodes for organic photovoltaics. <i>EPJ Applied Physics</i> , 2006, 36, 257-259.	0.3	56
117	Post-fabrication annealing effects in polymer-nanotube photovoltaic cells. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 1058-1062.	1.3	105
118	Adaptive control of ion beams produced by ultrafast laser ablation of silicon (Invited Paper). , 2005, , .		2
119	Temporal pulse manipulation and consequences for ultrafast laser processing of materials. <i>Optical Engineering</i> , 2005, 44, 051106.	0.5	11
120	Optimization of ultrafast laser generated low-energy ion beams from silicon targets. <i>Applied Physics Letters</i> , 2005, 87, 124105.	1.5	23
121	Adaptive optimization in ultrafast laser material processing (Plenary Paper). , 2004, , .		0
122	Influence of pulse temporal manipulation on the properties of laser ablated Si ion beams. <i>Thin Solid Films</i> , 2004, 453-454, 372-376.	0.8	15
123	Nonlinear optical response of some isomerically pure higher fullerenes and their corresponding endohedral metallofullerene derivatives: C ₈₂ â€“C ₂ ^{1/2} , Dy@C ₈₂ (I), Dy ₂ @C ₈₂ (I), C ₉₂ â€“C ₂ and Er ₂ @C ₉₂ (IV). <i>Chemical Physics Letters</i> , 2004, 394, 14-18.	1.2	23
124	<title>Temporal pulse manipulation and adaptive optimization in ultrafast laser processing of materials</title>. , 2004, 5662, 593.		5
125	Stimulated emissions and quantum interference in potassium atomâ€“laser interaction. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003, 36, 1943-1956.	0.6	14
126	Large Enhancement of the Nonlinear Optical Response of Reduced Fullerene Derivatives. <i>Chemistry - A European Journal</i> , 2003, 9, 1529-1534.	1.7	39

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127	An experimental investigation of the nonlinear refractive index (n_2) of carbon disulfide and toluene by spectral shearing interferometry and z-scan techniques. <i>Chemical Physics Letters</i> , 2003, 369, 318-324.	1.2	124
128	Temporal pulse manipulation and ion generation in ultrafast laser ablation of silicon. <i>Applied Physics Letters</i> , 2003, 83, 1474-1476.	1.5	70
129	Wave mixing and quantum interference effect in potassium atoms. , 2003, 5131, 83.		0
130	Ultrafast nonlinear optical response of higher fullerenes. , 2003, , .		0
131	Temporal Pulse Shaping and Optimization in Ultrafast Laser Ablation of Materials. <i>Materials Research Society Symposia Proceedings</i> , 2003, 780, 511.	0.1	2
132	<title>Nonlinear optical response of silicon nanocomposites</title>. , 2002, 4762, 297.		2
133	Anisotropic Distributions of Ion Fragments Produced by Dissociative Ionization of Halogenated Ethylenes in Intense Laser Fields. <i>Journal of Physical Chemistry A</i> , 2002, 106, 2838-2843.	1.1	9
134	Laser Ablation Studies of Deposited Silver Colloids Active in SERS. <i>Laser Chemistry</i> , 2002, 20, 23-32.	0.5	4
135	Dissociative ionization of halogenated ethylenes in intense femtosecond laser pulses. <i>Chemical Physics Letters</i> , 2002, 353, 295-303.	1.2	15
136	Onion-like carbon and diamond nanoparticles for optical limiting. <i>Chemical Physics Letters</i> , 2002, 357, 336-340.	1.2	112
137	Optical limiting and nonlinear optical absorption properties of C ₆₀ polystyrene star polymer films: C ₆₀ concentration dependence. <i>Journal of Materials Chemistry</i> , 2002, 12, 2071-2076.	6.7	68
138	Transient and instantaneous third-order nonlinear optical response of C ₆₀ and the higher fullerenes C ₇₀ , C ₇₆ and C ₈₄ . <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001, 34, 4983-4996.	0.6	37
139	Substantial Non-linear Optical Response of New Polyads Based on Ru and Os Complexes of Modified Terpyridines. <i>Journal of Physical Chemistry B</i> , 2001, 105, 10797-10804.	1.2	40
140	Single-photon photolysis of C ₆₀ , C ₇₀ , C ₇₆ , and C ₈₄ in solutions. <i>Chemical Physics Letters</i> , 2001, 335, 539-544.	1.2	21
141	Ultrafast nonlinear optical response of C ₆₀ polystyrene star polymers. <i>Chemical Physics Letters</i> , 2001, 335, 533-538.	1.2	31
142	Nonlinear absorption in silicon nanocrystals. <i>Quantum Electronics</i> , 2001, 31, 817-820.	0.3	13
143	Optical limiting behaviour of the water-soluble C ₆₀ /β-cyclodextrin complex. <i>Chemical Physics Letters</i> , 2000, 318, 488-495.	1.2	20
144	The Role of the Oxygen Molecule in the Photolysis of Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 289-318.	0.6	9

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145	Near-Infrared Laser-Induced Decomposition of C ₆₀ Dissolved in Toluene. Fullerenes, Nanotubes, and Carbon Nanostructures, 2000, 8, 319-336.	0.6	0
146	<title>Optical properties of metal-coated silicon nanocrystals</title>. , 2000, 4070, 465.		3
147	Characterization of Nonlinear Optical Materials for Photonic Applications. , 2000, , 143-154.		1
148	Multiphoton Ionization and Fragmentation of CS ₂ Under Intense Short Pulse Laser Radiation. Laser Chemistry, 1999, 18, 129-142.	0.5	2
149	Polarization effects on the ionization of molecules under picosecond and femtosecond laser excitation. Journal of Physics B: Atomic, Molecular and Optical Physics, 1999, 32, L439-L450.	0.6	22
150	Ionization and fragmentation of aromatic and single-bonded hydrocarbons with 50 fs laser pulses at 800 nm. Chemical Physics Letters, 1999, 308, 373-380.	1.2	61
151	Fullerene decomposition induced by near-infrared laser radiation studied by real-time turbidimetry. Chemical Physics Letters, 1999, 313, 431-436.	1.2	1
152	Third-Order Susceptibility of Li@C ₆₀ . Advanced Materials, 1999, 11, 405-408.	11.1	27
153	Subpicosecond ionization and dissociation of benzene and cyclic alkanes at 800 and 400 nm. Chemical Physics Letters, 1998, 289, 303-310.	1.2	54
154	Optical nonlinearities of fullerenes and their implications in optoelectronics. , 1998, , .		1
155	Ionization and fragmentation of small molecules under psec and fsec laser excitation. , 1998, , .		1
156	Sub-picosecond resonant third-order nonlinear optical response of azobenzene-doped polymer film. Journal of Applied Physics, 1997, 81, 7073-7075.	1.1	24
157	High order nonlinear optical response of fullerene solutions in the nanosecond regime. Optics Communications, 1997, 138, 301-304.	1.0	18
158	Sub-picosecond studies of the third-order optical nonlinearities of - toluene solutions. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, 5033-5041.	0.6	52
159	<title>Experimental evidence of quasi-absorptionless type of resonant sum-mixing process</title>. , 1996, , .		1
160	Nonlinear Optical Properties of Fullerenes. , 1996, , .		0
161	High-order nonlinear optical response of -toluene solutions in the sub-picosecond regime. Journal of Physics B: Atomic, Molecular and Optical Physics, 1996, 29, L773-L778.	0.6	11
162	Solvent effects on the optical limiting action of C ₆₀ solutions. Molecular Physics, 1996, 88, 125-133.	0.8	15

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163	Concentration and wavelength dependence of the effective third-order susceptibility and optical limiting of C60 in toluene solution. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 4537-4554.	0.6	273
164	Fullerene Cages Breakdown Induced in Solution by Ultraviolet Radiation: Experimental Support for the "Window" Formation in Fullerenes?. <i>The Journal of Physical Chemistry</i> , 1995, 99, 8200-8201.	2.9	9
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