

Georgeta Salvan

List of Publications by Year in descending order

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133
papers

1,862
citations

304368

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136
docs citations

136
times ranked

2605
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz charge and spin transport in metallic ferromagnets: The role of crystalline and magnetic order. Applied Physics Letters, 2022, 120, .	1.5	4
2	Deposition of Nanosized Amino Acid Functionalized Bismuth Oxide Clusters on Gold Surfaces. Nanomaterials, 2022, 12, 1815.	1.9	1
3	Iron oxide nanospheres and nanocubes modified with carboxyphenyl porphyrin and their magnetic, optical properties and photocatalytic activities in room temperature amide synthesis. Journal of Magnetism and Magnetic Materials, 2021, 521, 167515.	1.0	4
4	High-performance Coll-phthalocyanine-based polymer for practical heterogeneous electrochemical reduction of carbon dioxide. Electrochimica Acta, 2021, 367, 137506.	2.6	12
5	Electrical Interface Characterization of Ultrathin Amorphous Silicon Layers on Crystalline Silicon. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2000079.	0.8	0
6	APTES monolayer coverage on self-assembled magnetic nanospheres for controlled release of anticancer drug Nintedanib. Scientific Reports, 2021, 11, 5674.	1.6	53
7	Microellipsometry study of plasmonic properties of metal-insulator-metal structures with ordered lattices of nanoparticles. Journal of Applied Physics, 2021, 129, 123104.	1.1	5
8	Spectroscopic ellipsometry of amorphous Se superlattices. Journal Physics D: Applied Physics, 2021, 54, 255106.	1.3	0
9	Laser induced crystallization of Co-Fe-B films. Scientific Reports, 2021, 11, 14104.	1.6	2
10	Effect of the deposition method and ageing in atmosphere on the optical properties of tetraphenylporphyrins (TPPs) films. Journal of Molecular Structure, 2021, 1246, 131112.	1.8	0
11	Observation of Room-Temperature Dark Exciton Emission in Nanopatch-Decorated Monolayer WSe ₂ on Metal Substrate. Advanced Optical Materials, 2021, 9, 2101801.	3.6	11
12	Highly Tunable Magnetic and Magnetotransport Properties of Exchange Coupled Ferromagnet/Antiferromagnet-Based Heterostructures. ACS Applied Materials & Interfaces, 2021, 13, 59497-59510.	4.0	3
13	Iron-rich talc as air-stable platform for magnetic two-dimensional materials. Npj 2D Materials and Applications, 2021, 5, .	3.9	7
14	Voltage-Controlled Dielectric Function of Bilayer Graphene. Advanced Optical Materials, 2020, 8, 2000861.	3.6	11
15	Control of magneto-optical properties of cobalt-layers by adsorption of β -helical polyalanine self-assembled monolayers. Journal of Materials Chemistry C, 2020, 8, 11822-11829.	2.7	7
16	Pulsed laser deposited CoFe ₂ O ₄ thin films as supercapacitor electrodes. RSC Advances, 2020, 10, 19353-19359.	1.7	36
17	Observation of two-level defect system in amorphous Se superlattices. Applied Physics Letters, 2020, 116, 192104.	1.5	3
18	Crystallization of optically thick films of Co_xB_{20} : Evolution of optical, magneto-optical, and structural properties. Physical Review B, 2020, 101, .	1.1	10

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19	Charge-Ordered \pm -Helical Polypeptide Monolayers on Au(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 5734-5739.	1.5	12
20	Spectroscopic ellipsometry and magneto-optical Kerr effect spectroscopy study of thermally treated Co ₆₀ Fe ₂₀ B ₂₀ thin films. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 055702.	0.7	9
21	Index matching in multilayered organic waveguides. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 485702.	0.7	1
22	Study of Laterally Stacked Nanostructures Using an Organic Semiconducting Channel Fabricated by Trench Isolation Technique. <i>IEEE Nanotechnology Magazine</i> , 2020, , 1-1.	1.1	1
23	Comparison studies of Nd doped ZnO thin films doped by spray pyrolysis technique. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
24	Magneto-optical response of permalloy multilayer structures on different substrate in the IR-“VIS-“UV spectral range. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 485002.	1.3	2
25	Exchange bias and diffusion processes in laser annealed CoFeB/IrMn thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165390.	1.0	9
26	Surfaces, Interfaces, and Nanostructures: Spectroscopic Characterization and Applications. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900027.	0.7	0
27	Magnetic Tunnel Junctions: Laser Annealing Versus Oven Annealing. <i>IEEE Transactions on Magnetics</i> , 2019, 55, 1-4.	1.2	7
28	The combined magnetic field and iron oxide-PLGA composite particles: Effective protein antigen delivery and immune stimulation in dendritic cells. <i>Journal of Colloid and Interface Science</i> , 2018, 520, 101-111.	5.0	31
29	Polycrystalline La _{1-x} Sr _x MnO ₃ films on silicon: Influence of post-Deposition annealing on structural, (Magneto-)Optical, and (Magneto-)Electrical properties. <i>Applied Surface Science</i> , 2018, 427, 533-540.	3.1	7
30	Vibrational properties of GaSe: a layer dependent study from experiments to theory. <i>Semiconductor Science and Technology</i> , 2018, 33, 125008.	1.0	17
31	Monolayer grafting of aminosilane on magnetic nanoparticles: An efficient approach for targeted drug delivery system. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 415-425.	5.0	57
32	HED-TIE: A wafer-scale approach for fabricating hybrid electronic devices with trench isolated electrodes. <i>Nanotechnology</i> , 2017, 28, 195303.	1.3	2
33	Doping-Induced Polaron Formation and Solid-State Polymerization in Benzoporphyrin-“Oligothiophene Conjugated Systems. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24397-24407.	1.5	9
34	(Metallo)porphyrins for potential materials science applications. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1786-1800.	1.5	17
35	Nanoantenna-assisted plasmonic enhancement of IR absorption of vibrational modes of organic molecules. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 975-981.	1.5	11
36	Towards molecular spintronics. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2464-2466.	1.5	2

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37	Deposition of exchange-coupled dinickel complexes on gold substrates utilizing ambidentate mercapto-carboxylate ligands. Beilstein Journal of Nanotechnology, 2017, 8, 1375-1387.	1.5	3
38	Light-induced magnetoresistance in solution-processed planar hybrid devices measured under ambient conditions. Beilstein Journal of Nanotechnology, 2017, 8, 1502-1507.	1.5	1
39	High Quality Magnetic Oxide Thin Films Prepared via Aqueous Solution Processing. Chemistry of Materials, 2016, 28, 4917-4927.	3.2	14
40	Tunable charge transfer properties in metal-phthalocyanine heterojunctions. Nanoscale, 2016, 8, 8607-8617.	2.8	17
41	Transformation of epitaxial NiMnGa/InGaAs nanomembranes grown on GaAs substrates into freestanding microtubes. RSC Advances, 2016, 6, 72568-72574.	1.7	3
42	Fully Integrated Organic Nanocrystal Diode as High Performance Room Temperature NO ₂ Sensor. Advanced Materials, 2016, 28, 2971-2977.	11.1	57
43	Optical and magneto-optical properties of spin coated films of novel trinuclear bis(oxamate) and bis(oxamidate) type complexes. Journal of Magnetism and Magnetic Materials, 2016, 419, 17-28.	1.0	6
44	Comparative study of optical and magneto-optical properties of normal, disordered, and inverse spinel-type oxides. Physica Status Solidi (B): Basic Research, 2016, 253, 429-436.	0.7	22
45	Ferromagnetic Mn-Implanted GaP: Microstructures vs Magnetic Properties. ACS Applied Materials & Interfaces, 2016, 8, 3912-3918.	4.0	15
46	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. , 2015, , .		0
47	Magneto-optical response of ferrimagnetic Tb-Fe thin films in the visible and ultraviolet range. Journal Physics D: Applied Physics, 2015, 48, 245001.	1.3	4
48	Tuning the magneto-optical response of TbPc ₂ single molecule magnets by the choice of the substrate. Journal of Materials Chemistry C, 2015, 3, 8039-8049.	2.7	18
49	Carbon p Electron Ferromagnetism in Silicon Carbide. Scientific Reports, 2015, 5, 8999.	1.6	38
50	A comprehensive study of the magnetic, structural, and transport properties of the III-V ferromagnetic semiconductor InMnP. Journal of Applied Physics, 2015, 117, .	1.1	5
51	Structural and optical studies on Nd doped ZnO thin films. Superlattices and Microstructures, 2015, 77, 325-332.	1.4	30
52	Ferromagnetic GaMnP Prepared by Ion Implantation and Pulsed Laser Annealing. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	8
53	Field-dependent magneto-optical Kerr effect spectroscopy applied to the magnetic component diagnosis of a rubrene/Ni system. Optics Express, 2014, 22, 18454.	1.7	4
54	Dependence of all-optical magnetic switching on the sublattice magnetization orientation in Tb-Fe thin films. Applied Physics Letters, 2014, 105, 112403.	1.5	23

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55	Transport band gap opening at metal-organic interfaces. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, .	0.9	5
56	Optical and magneto-optical characterization of thin films of functionalized tetraphenylporphyrins. Thin Solid Films, 2014, 571, 377-383.	0.8	3
57	Molecular alignment in Γ_{\pm} -CuPc films probed by reflection anisotropy spectroscopy. Journal of Molecular Structure, 2014, 1073, 82-86.	1.8	4
58	Determination of the Charge Transport Mechanisms in Ultrathin Copper Phthalocyanine Vertical Heterojunctions. Journal of Physical Chemistry C, 2014, 118, 7272-7279.	1.5	39
59	Optical and magneto-optical properties of metal phthalocyanine and metal porphyrin thin films. Journal of Physics Condensed Matter, 2014, 26, 104201.	0.7	27
60	Morphology and local transport characteristics of metalloporphyrin thin films. Organic Electronics, 2014, 15, 1432-1439.	1.4	12
61	Optical properties and electrical transport of thin films of terbium(III) bis(phthalocyanine) on cobalt. Beilstein Journal of Nanotechnology, 2014, 5, 2070-2078.	1.5	11
62	Optical and magneto-optical study of nickel and cobalt ferrite epitaxial thin films and submicron structures. Journal of Applied Physics, 2013, 113, .	1.1	94
63	Chemisorption of Exchange-Coupled $[Ni_{2}L(dppba)]^{+}$ Complexes on Gold by Using Ambidentate δ -(Diphenylphosphino)benzoate Co Ligands. Chemistry - A European Journal, 2013, 19, 7787-7801.	1.7	6
64	Magneto-optical Kerr effect studies of Cu ₂ O/nickel heterostructures. Microelectronic Engineering, 2013, 107, 130-133.	1.1	3
65	Influence of film thickness and air exposure on the transport gap of manganese phthalocyanine. AIP Advances, 2013, 3, .	0.6	23
66	Characterization of Organic Thin Films on Ferromagnetic Substrates by Spectroscopic Ellipsometry and Magneto-Optical Kerr Effect Spectroscopy. IEEE Transactions on Magnetics, 2012, 48, 2777-2780.	1.2	3
67	Electronic states and the influence of oxygen addition on the optical absorption behaviour of manganese phthalocyanine. Journal of Chemical Physics, 2012, 136, 064704.	1.2	19
68	Magneto-optical Kerr-effect studies on copper oxide thin films produced by atomic layer deposition on SiO ₂ . Thin Solid Films, 2012, 520, 4741-4744.	0.8	8
69	Dielectric function and magneto-optical Voigt constant of $Cu_{2}O$: A combined spectroscopic ellipsometry and polar magneto-optical Kerr spectroscopy study. Physical Review B, 2011, 84, .	1.1	21
70	Nickel nanoparticles in fullerene matrix fabricated by co-evaporation: structural, magnetic, and magneto-optical properties. Applied Physics A: Materials Science and Processing, 2011, 103, 433-438.	1.1	7
71	In-plane optical anisotropy of copper-phthalocyanine films: RAS studies and modelling. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 214-217.	0.8	3
72	Aging of Rubrene Layers in Ni/Rubrene Heterostructures Studied by Magneto-Optical Kerr Effect Spectroscopy. Journal of the American Chemical Society, 2010, 132, 5687-5692.	6.6	5

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73	Determination of the Voigt constant of phthalocyanines by magneto-optical Kerr-effect spectroscopy. <i>Physical Review B</i> , 2009, 79, .	1.1	40
74	Magneto-Optical Kerr Effect Spectroscopy—A Sensitive Tool for Investigating the Molecular Orientation in Organic Semiconductor Films. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14957-14961.	1.2	21
75	How Photoelectron Spectroscopy and Quantum Chemical Studies Can Help Understanding the Magnetic Properties of Molecules: An Example from the Class of Cu(II)~Bis(oxamato) Complexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 10051-10054.	1.2	3
76	Electronic and Magnetic Properties of Ni Nanoparticles Embedded in Various Organic Semiconductor Matrices. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4565-4570.	1.2	20
77	Temperature dependent reflection anisotropy spectroscopy investigations of vanadyl phthalocyanine films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 1202-1205.	0.8	0
78	Temperature dependence of the optical anisotropy of vanadyl phthalocyanine films. <i>Thin Solid Films</i> , 2008, 516, 7916-7920.	0.8	6
79	Magnetic and Optical Properties of Cu(II)~Bis(oxamato) Complexes:~ Combined Quantum Chemical Density Functional Theory and Vibrational Spectroscopy Studies. <i>Journal of Physical Chemistry B</i> , 2008, 112, 5585-5593.	1.2	10
80	Electron Paramagnetic Resonance and Density-Functional Theory Studies of Cu(II)-bis(oxamato) Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 6633-6644.	1.9	21
81	Electronic and Vibrational Spectroscopies Applied to Organic/Inorganic Interfaces. <i>Chemical Reviews</i> , 2007, 107, 1161-1232.	23.0	149
82	Synthesis, characterization and magnetic properties of new homotrinary copper(II) complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 3475-3483.	1.2	31
83	Synthesis, characterization, and magnetic properties of new homotrinary bis(oxamato) copper(II) complexes with an asymmetric central N,N~2-bridge. <i>Inorganica Chimica Acta</i> , 2007, 360, 3777-3784.	1.2	19
84	Spin density distribution in oxamato-type transition metal complexes. <i>Polyhedron</i> , 2007, 26, 1773-1775.	1.0	9
85	Deposition of thin films of a transition metal complex by spin coating. <i>Chemical Physics Letters</i> , 2006, 432, 226-229.	1.2	50
86	Micro-Raman spectroscopy of disordered and ordered sulfur phases on a passivated GaAs surface. <i>Applied Surface Science</i> , 2006, 252, 7642-7646.	3.1	4
87	Magnetic field influence on the molecular alignment of vanadyl phthalocyanine thin films. <i>Journal of Crystal Growth</i> , 2006, 291, 166-174.	0.7	29
88	Combined Raman spectroscopic and electrical characterization of the conductive channel in pentacene based OFETs. , 2005, , .		1
89	Deposition of silver, indium, and magnesium onto organic semiconductor layers: Reactivity, indiffusion and metal morphology. <i>Microelectronic Engineering</i> , 2005, 82, 228-235.	1.1	3
90	Structural and morphological properties of N,N~2-dimethyl-3,4,9,10-perylenetetracarboxylic diimide films on passivated GaAs(100) substrates. <i>Journal of Crystal Growth</i> , 2005, 275, e1155-e1162.	0.7	5

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91	Structural study of thin films of neutral and potassium-doped oligophenylenes on Cu(100). Surface Science, 2005, 589, 19-31.	0.8	4
92	Interface formation of Mg with DiMePTCDI studied by Raman spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4048-4052.	0.8	3
93	Stability of tris(8-hydroxyquinoline)-aluminum(III) films investigated by vacuum ultraviolet spectroscopic ellipsometry. Applied Physics Letters, 2005, 86, 111907.	1.5	8
94	Study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq3) with potassium using vibrational spectroscopy: Examination of the possible isomerization upon K-doping. Synthetic Metals, 2005, 154, 161-164.	2.1	8
95	Structural and Morphological Properties of 3,4,9,10-PeryleneTetraCarboxylic DiAnhydride Films on Passivated GaAs(100) Substrates. Synthetic Metals, 2005, 154, 165-168.	2.1	2
96	Study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq3) with potassium using vibrational spectroscopy: Examination of possible isomerization upon K doping. Journal of Applied Physics, 2004, 96, 5534-5542.	1.1	46
97	VASE and IR spectroscopy: excellent tools to study biaxial organic molecular thin films: DiMe-PTCDI on S-passivated GaAs(100). Thin Solid Films, 2004, 455-456, 586-590.	0.8	2
98	Surface enhanced Raman scattering in organic thin films covered with silver, indium and magnesium. Journal of Luminescence, 2004, 110, 296-302.	1.5	8
99	Modification of GaAs(100) surfaces upon adsorption of perylene derivatives. Applied Surface Science, 2004, 234, 178-184.	3.1	4
100	Raman monitoring of In and Ag growth on PTCDA and DiMe-PTCDI thin films. Applied Surface Science, 2004, 234, 168-172.	3.1	6
101	Metal deposition onto biomolecular layers on silicon surfaces: a study of interface formation using Raman spectroscopy. Applied Surface Science, 2004, 234, 113-119.	3.1	2
102	Interface properties of metal/cytosine/Si(111):H heterostructures studied by means of SERS and DFT. Applied Surface Science, 2004, 235, 73-79.	3.1	8
103	Interaction between metals and organic semiconductors studied by Raman spectroscopy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2004, 22, 1482-1487.	0.9	13
104	Evidence for strong interaction of PTCDA molecules with defects on sulphur-passivated GaAs(100). Europhysics Letters, 2004, 67, 827-833.	0.7	7
105	Effects of Annealing on the Properties of Molecular Thin Film Heterostructures. Advanced Materials, 2003, 15, 1109-1112.	11.1	22
106	Influence of substrate surfaces on the growth of organic films. Applied Surface Science, 2003, 212-213, 433-437.	3.1	12
107	Time-resolved photoluminescence study of excitons in thin PTCDA films at various temperatures. Applied Surface Science, 2003, 212-213, 428-432.	3.1	8
108	Orientation of perylene derivatives on semiconductor surfaces. Applied Surface Science, 2003, 212-213, 501-507.	3.1	12

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109	Raman Scattering as a Probe of Crystallinity in PTCDA and H2Pc Single-Layer and Double-Layer Thin Film Heterostructures. Journal of Physical Chemistry B, 2003, 107, 3782-3788.	1.2	19
110	Optical properties and molecular orientation in organic thin films. Journal of Physics Condensed Matter, 2003, 15, S2699-S2718.	0.7	30
111	Infrared spectroscopic study of the morphology of 3,4,9,10-perylene tetracarboxylic dianhydride films grown on H-passivated Si(111). Journal of Physics Condensed Matter, 2003, 15, S2647-S2663.	0.7	21
112	Combined electrical and Raman characterization of C 60 -based organic field effect transistors. , 2003, , .		0
113	Interaction of metals with perylene derivatives as a model system for contact formation in OFET structures. , 2003, 5217, 210.		1
114	Detection of nanophase at the surface of HFCVD grown diamond films using surface enhanced Raman spectroscopic technique. Diamond and Related Materials, 2002, 11, 1858-1862.	1.8	19
115	Optical constants of 3,4,9,10-perylenetetracarboxylic dianhydride films on silicon and gallium arsenide studied by spectroscopic ellipsometry. Applied Physics A: Materials Science and Processing, 2002, 75, 501-506.	1.1	25
116	Surface-enhanced Raman scattering study of silver deposition on thin Alq3 layers. Applied Surface Science, 2002, 190, 371-375.	3.1	10
117	Feed gas dependence of the surface nanophase on HFCVD grown diamond films studied by surface enhanced Raman spectroscopy. Applied Surface Science, 2002, 191, 334-337.	3.1	12
118	Vibration spectroscopic study of the interaction of tris-(8-hydroxyquinoline) aluminum (Alq3) with potassium. Applied Surface Science, 2002, 190, 382-385.	3.1	14
119	Raman spectroscopy of the PTCDAâ€inorganic semiconductor interface: evidence for charge transfer. Applied Surface Science, 2002, 190, 386-389.	3.1	9
120	Optical Spectroscopy during Growth of PTCDA-C60Complex Thin Films. Journal of Physical Chemistry B, 2001, 105, 12076-12081.	1.2	0
121	Growth of organic films on passivated semiconductor surfaces: gallium arsenide versus silicon. Applied Surface Science, 2001, 175-176, 326-331.	3.1	25
122	Raman spectroscopy: a powerful tool for characterisation of Ag/3,4,9,10-perylene-tetracarboxylic-dianhydride/GaAs heterostructures. Applied Surface Science, 2001, 179, 113-117.	3.1	15
123	Optical Anisotropy of Organic Layers Deposited on Semiconductor Surfaces. Physica Status Solidi A, 2001, 188, 1307-1317.	1.7	14
124	Crystallinity of PTCDA films on silicon derived via optical spectroscopic measurements. Applied Surface Science, 2001, 175-176, 363-368.	3.1	7
125	Time-resolved photoluminescence characterisation of thin PTCDA films on Si(100). Applied Surface Science, 2001, 179, 209-212.	3.1	12
126	Optical anisotropy of organic layers on GaAs(001). Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1658.	1.6	14

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127	Influence of deposition temperature on the structure of 3,4,9,10-peryene tetracarboxylic dianhydride thin films on H-passivated silicon probed by Raman spectroscopy. <i>Organic Electronics</i> , 2000, 1, 49-56.	1.4	32
128	Optical characterisation of PTCDA films grown on passivated semiconductor substrates. <i>Applied Surface Science</i> , 2000, 166, 387-391.	3.1	22
129	EPR AND MAGNETIC SUSCEPTIBILITY STUDIES OF B ₂ O ₃ -SrO-Fe ₂ O ₃ GLASSES. <i>Modern Physics Letters B</i> , 1999, 13, 801-808.	1.0	22
130	Raman Monitoring of Organic Semiconductor Heterostructure Formation. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 431-434.	0.7	13
131	Chemistry and Morphological Properties of Metal Interfaces to Organic Semiconductors. , 0, , 313-324.		3
132	Metal/Organic Interface Formation Studied In Situ by Resonant Raman Spectroscopy. , 0, , 263-280.		1
133	La _{1-x} Sr _x MnO ₃ Thin Films on Silicon Prepared by Magnetron Sputtering: Optimization of the Film Structure and Magnetic Properties by Post-Deposition Annealing. <i>Physica Status Solidi (B): Basic Research</i> , 0, , 2100307.	0.7	0