

Basudeb Karmakar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

2,734
citations

31
h-index

46
g-index

115
ext. papers

3,020
ext. citations

3.5
avg, IF

5.55
L-index

#	Paper	IF	Citations
113	Wide thermal expansion in Ag ₀ /Au ₀ nanoparticle doped SiO ₂ -MgO-Al ₂ O ₃ -B ₂ O ₃ -K ₂ O-MgF ₂ glass-ceramics. <i>Materials Today: Proceedings</i> , 2021 , 50, 134-134	1.4	2
112	Microstructure-mechanical properties of Ag/Au doped K-Mg-Al-Si-O-F glass-ceramics.. <i>RSC Advances</i> , 2021 , 11, 11415-11424	3.7	7
111	Enhancement of photoluminescence in white light emitting glasses by localized surface plasmons of Ag and Au nanoparticles. <i>Chemical Physics Letters</i> , 2020 , 754, 137713	2.5	6
110	Cr ⁺⁶ Controlled Nucleation in SiO ₂ -MgO-Al ₂ O ₃ -K ₂ O-B ₂ O ₃ -F Glass Sealant (SOFC). <i>Frontiers in Materials</i> , 2020 , 7,	4	12
109	Mica (KMg ₃ AlSi ₃ O ₁₀ F ₂) based glass-ceramic composite sealant with thermal stability for SOFC application. <i>International Journal of Hydrogen Energy</i> , 2020 , 46, 23480-23480	6.7	5
108	Nanocrystalline microstructure in Sm ³⁺ and Gd ³⁺ doped K ₂ O-MgO-Al ₂ O ₃ -SiO ₂ -F glass-ceramic sealant (SOFC). <i>Materials Advances</i> , 2020 , 1, 463-468	3.3	6
107	Zr ⁺⁴ -controlled nucleation and microstructure in Si-Mg-Al-K-B-F glass-ceramic sealant (solid oxide fuel cell). <i>Materials Today Energy</i> , 2020 , 18, 100535	7	5
106	White light-emitting Dy ³⁺ -doped transparent chloroborosilicate glass: synthesis and optical properties. <i>Journal of Asian Ceramic Societies</i> , 2019 , 7, 42-52	2.4	10
105	Nano Gold (Au ₀) and Au ₀ -Er ³⁺ Containing Plasmonic K ₂ O-ZnO-SiO ₂ Glass Nanocomposites: Processing and Properties. <i>Transactions of the Indian Ceramic Society</i> , 2018 , 77, 12-19	1.8	1
104	Microstructural characterization and wear properties of silver and gold nanoparticle doped K-Mg-Al-Si-O-F glass-ceramics. <i>Ceramics International</i> , 2018 , 44, 22308-22317	5.1	13
103	Synthesis and characterization of low T _g As-S-I chalcogenide glass for processing of raw diamonds. <i>International Journal of Applied Glass Science</i> , 2017 , 8, 132-135	1.8	
102	Enhanced green and orange photoluminescence of nanostructured CdS in glass nanocomposites by energy transfer From Ho ³⁺ and Eu ³⁺ ions. <i>Semiconductor Science and Technology</i> , 2017 , 32, 015003	1.8	2
101	Tuneable and Au-enhanced yellow emission in Dy ³⁺ /Au co-doped antimony oxide glass nanocomposites. <i>Journal of Non-Crystalline Solids</i> , 2017 , 463, 40-49	3.9	6
100	In situ generated CdS nanostructure induced enhanced photoluminescence from Dy ³⁺ ions doped dielectric nanocomposites. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017 , 214, 1700105	1.6	3
99	Functionalization of glasses by 4f rare-earth metal ion doping 2017 , 65-117		1
98	Functionalization of glasses by incorporation of semiconductor 2017 , 235-252		
97	Functional glass-ceramics 2017 , 119-208		0

96	Glasses and glass-ceramics for biomedical applications 2017 , 253-280		
95	Influence of Ce, Nd, Sm and Gd oxides on the properties of alkaline-earth borosilicate glass sealantPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2016 , 4, 29-38	2.4	26
94	Fabrication and properties of Nd ³⁺ -doped ferroelectric barium bismuth titanate glass-ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2016 , 680, 237-246	5.7	14
93	Rare earth ion controlled crystallization of mica glass-ceramics. <i>Journal of Alloys and Compounds</i> , 2016 , 678, 360-369	5.7	20
92	Enhancement and tuning of photoluminescence properties in Pr ³⁺ /Au co-doped antimony oxide glass nanocomposites by thermal treatment. <i>Journal of Alloys and Compounds</i> , 2016 , 688, 313-322	5.7	12
91	White light emitting Ho ³⁺ -doped CdS nanocrystal ingrained glass nanocomposites. <i>Applied Physics Letters</i> , 2015 , 106, 083106	3.4	12
90	Structural effects of Zn ²⁺ /Mg ²⁺ ratios on crystallization characteristics and microstructure of fluorophlogopite mica-containing glass-ceramics. <i>Solid State Sciences</i> , 2015 , 44, 10-21	3.4	27
89	Preparation and characterization of novel foamed porous glass-ceramics. <i>Materials Characterization</i> , 2015 , 103, 90-100	3.9	38
88	Synthesis of transparent chloroborosilicate nanoglass-ceramics: Crystallization and growth mechanism of BaCl ₂ nanocrystalsPeer review under responsibility of The Ceramic Society of Japan and the Korean Ceramic Society.View all notes. <i>Journal of Asian Ceramic Societies</i> , 2015 , 3, 390-401	2.4	5
87	Structural and optical properties of ZnSe quantum dots in glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2015 , 163, 554-561	4.4	5
86	Enhanced photoluminescence up and downconversions of Sm ³⁺ ions by Ag nanoparticles in chloroborosilicate glass nanocomposites. <i>RSC Advances</i> , 2015 , 5, 81123-81133	3.7	12
85	Anomalous properties of chloroborosilicate glasses in the K ₂ O-BaO-Al ₂ O ₃ -B ₂ O ₃ -Bi ₂ O ₃ -BaCl ₂ system. <i>Bulletin of Materials Science</i> , 2015 , 38, 1487-1497	1.7	1
84	Effects of In-situ Generated Coinage Nanometals on Crystallization and Microstructure of Fluorophlogopite Mica Containing Glass-Ceramics. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 110-119	9.1	25
83	Localized Surface Plasmon Absorption and Photoluminescence of In Situ-Generated Nano Silver in a Novel Chloroborosilicate Glass and Glass Ceramics. <i>Plasmonics</i> , 2015 , 10, 191-202	2.4	10
82	Novel Plasmonic Nanometal - Rare-Earth Ions co-doped Antimony Glasses for Nanophotonic Applications. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1788, 1-6		1
81	Effects of M ²⁺ (M = Ca, Sr, and Ba) Addition on Crystallization and Microstructure of SiO ₂ -MgO-Al ₂ O ₃ -B ₂ O ₃ -K ₂ O-F Glass. <i>Indian Journal of Materials Science</i> , 2015 , 2015, 1-8		7
80	CdSe nanocrystals ingrained dielectric nanocomposites: synthesis and photoluminescence properties. <i>Materials Research Express</i> , 2015 , 2, 015014	1.7	3
79	Fabrication and photoluminescence properties of Ag ₀ and Ag ₀ Br ³⁺ containing plasmonic glass nanocomposites in the K ₂ O-ZnO-Bi ₂ O ₃ system. <i>Solid State Sciences</i> , 2014 , 37, 144-153	3.4	14

78	Quantum and dielectric confinements of sub-10nm gold in dichroic phosphate glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2014 , 146, 198-203	4.4	7
77	Synthesis and characterization of chloroborosilicate glasses in the $K_2O-BaO-Al_2O_3-B_2O_3-Bi_2O_3-CaCl_2$ system. <i>Journal of Non-Crystalline Solids</i> , 2014 , 398-399, 32-41	3.9	14
76	Fabrication and enhanced photoluminescence properties of Sm^{3+} -doped $ZnO-Al_2O_3-B_2O_3-Bi_2O_3$ glass derived willemite glass-ceramic nanocomposites. <i>Optical Materials</i> , 2014 , 36, 1463-1470	3.3	50
75	Microstructure, mechanical, thermal, EPR, and optical properties of $MgAl_2O_4:Cr^{3+}$ spinel glass-ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2014 , 583, 498-509	5.7	56
74	Synthesis and properties of ZnTe and Eu^{3+} ion co-doped glass nanocomposites. <i>Journal of Applied Physics</i> , 2014 , 116, 163510	2.5	4
73	Transparent Nd^{3+} -doped bismuth titanate glass-ceramic nanocomposites: Fabrication and properties. <i>Optical Materials Express</i> , 2014 , 4, 843	2.6	7
72	Synthesis and optical properties of multifunctional CdS nanostructured dielectric nanocomposites. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1761	1.7	16
71	Single-step in-situ synthesis and optical properties of ZnSe nanostructured dielectric nanocomposites. <i>Journal of Applied Physics</i> , 2014 , 115, 134309	2.5	8
70	Effects of lanthanum oxide on the properties of barium-free alkaline-earth borosilicate sealant glass. <i>Journal of Non-Crystalline Solids</i> , 2014 , 387, 62-70	3.9	23
69	Effects of nucleating agents on crystallization and microstructure of fluorophlogopite mica-containing glass-ceramics. <i>Journal of Materials Science</i> , 2014 , 49, 1612-1623	4.3	42
68	Electron paramagnetic resonance, optical absorption and photoluminescence properties of Cu^{2+} ions in $ZnO-Bi_2O_3-B_2O_3$ glasses. <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 346, 21-25	2.8	18
67	Processing and Properties of Eu^{3+} -Doped Barium Bismuth Titanate ($BaBi_4Ti_4O_{15}$) Glass-Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2387-2395	3.8	14
66	Synthesis and Characterization of Eu^{3+} -Doped Transparent Glass-Ceramics Containing Nanocrystalline $SrInNbIVO_3$. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2155-2162	3.8	10
65	Enhanced photoluminescence and structure of Dy^{3+} -doped $SrBi_2Ta_2O_9$ -containing transparent glass-ceramics. <i>Optical Materials</i> , 2013 , 35, 1549-1556	3.3	10
64	Thermal, Structural, and Enhanced Photoluminescence Properties of Eu^{3+} -doped Transparent Willemite Glass-Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2424-2431	3.8	52
63	Transparent Eu^{3+} -Doped Ferroelectric Bismuth Titanate Glass-Ceramic Nanocomposites: Fabrication and Properties. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3056-3063	3.8	16
62	Nanocrystalline FeS thin film used as an anode in photo-electrochemical solar cell and as hydrogen peroxide sensor. <i>Sensors and Actuators B: Chemical</i> , 2012 , 166-167, 726-732	8.5	29
61	Synthesis and Properties of $SrBi_2Ta_2O_9$ -Based Glass-Ceramics Modified with Eu^{3+} . <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1851-1857	3.8	17

60	Iron selenide thin film: Peroxidase-like behavior, glucose detection and amperometric sensing of hydrogen peroxide. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 724-731	8.5	56
59	Plasmonic Au x Ag y bimetallic alloy nanoparticles enhanced photoluminescence upconversion of Er ³⁺ ions in antimony glass hybrid nanocomposites. <i>Journal of Modern Optics</i> , 2011 , 58, 1012-1023	1.1	9
58	One-step synthesis and properties of monolithic photoluminescent ruby colored cuprous oxide antimony oxide glass nanocomposites. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 4999-5007	5.7	6
57	Nanostructured LiTaO ₃ and KNbO ₃ Ferroelectric Transparent Glass-Ceramics for Applications in Optoelectronics 2011 ,		1
56	Effects of Nano-LiTaO ₃ Crystallization on the Dielectric and Optical Properties in Er ³⁺ -Doped Li ₂ O-Ta ₂ O ₅ -Bi ₂ O ₃ -Al ₂ O ₃ Glasses. <i>International Journal of Applied Ceramic Technology</i> , 2011 , 8, 1031-1041	2	6
55	Nano silver:antimony glass hybrid nanocomposites and their enhanced fluorescence application. <i>Solid State Sciences</i> , 2011 , 13, 887-895	3.4	56
54	Synthesis and enhanced photoluminescence in novel Au core-Ag shell nanoparticles embedded Nd ³⁺ -doped antimony oxide glass hybrid nanocomposites. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011 , 112, 2469-2479	2.1	42
53	Controlled oxidative synthesis of Bi nanoparticles and emission centers in bismuth glass nanocomposites for photonic application. <i>Optical Materials</i> , 2011 , 33, 1760-1765	3.3	19
52	Synthesis and characterization of low softening point high Bi ₂ O ₃ glasses in the K ₂ O-Bi ₂ O ₃ -Bi ₂ O ₃ system. <i>Materials Characterization</i> , 2011 , 62, 626-634	3.9	28
51	Deposition of nanocrystalline CuS thin film from a single precursor: Structural, optical and electrical properties. <i>Materials Chemistry and Physics</i> , 2011 , 130, 392-397	4.4	58
50	Synthesis and properties of glasses in the K ₂ O-Bi ₂ O ₃ -Bi ₂ O ₃ -TiO ₂ system and bismuth titanate (Bi ₄ Ti ₃ O ₁₂) nano glass-ceramics thereof. <i>Journal of Materials Science</i> , 2011 , 46, 2967-2976	4.3	23
49	Effects of TiO ₂ -Bi ₂ O ₃ fillers on thermal and dielectric properties of bismuth glass microcomposite dielectrics for plasma display panel. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 515-522	2.1	2
48	Structure and dielectric properties of potassium niobate nano glass-ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 728-734	2.1	10
47	In situ electron beam irradiated rapid growth of bismuth nanoparticles in bismuth-based glass dielectrics at room temperature. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 3599-3606	2.3	9
46	Single-Step Synthesis and Surface Plasmons of Bismuth-Coated Spherical to Hexagonal Silver Nanoparticles in Dichroic Ag:Bismuth Glass Nanocomposites. <i>Plasmonics</i> , 2011 , 6, 457-467	2.4	31
45	Photoluminescence enhancement of Eu ³⁺ by energy transfer from Bi ²⁺ to Eu ³⁺ in bismuth glass nanocomposites. <i>RSC Advances</i> , 2011 , 1, 751	3.7	17
44	Synthesis and characterization of nanocrystalline zinc sulfide via zinc thiobenzoate-lutidine single-source precursor. <i>Inorganica Chimica Acta</i> , 2011 , 371, 20-26	2.7	26
43	Synthesis of nanocrystalline and mesoporous zinc sulphide from a single precursor Zn(SOCCH ₃) ₂ Lut ₂ complex. <i>Journal of Physics and Chemistry of Solids</i> , 2011 , 72, 784-788	3.9	6

42	Nephelauxetic effect of low phonon antimony oxide glass in absorption and photoluminescence of rare-earth ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 1766-82	4.4	71
41	SECOND HARMONIC GENERATION IN FERROELECTRIC LiTaO ₃ AND KNbO ₃ CONTAINING BULK NANO GLASS-CERAMICS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2011 , 20, 49-61	0.8	5
40	Processing and Properties of Eu ³⁺ -Doped Transparent YAG (Y ₃ Al ₅ O ₁₂) Nanoglass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 3244-3251	3.8	32
39	Influence of SiO ₂ and Al ₂ O ₃ Fillers on Thermal and Dielectric Properties of Barium Zinc Borate Glass Microcomposites for Barrier Rib of Plasma Display Panels (PDPs). <i>Transactions of the Indian Ceramic Society</i> , 2010 , 69, 75-82	1.8	1
38	Nanometal-Glass Hybrid Nanocomposites: Synthesis, Properties and Applications. <i>Transactions of the Indian Ceramic Society</i> , 2010 , 69, 171-186	1.8	21
37	Optical properties of Eu(3+)-doped antimony-oxide-based low phonon disordered matrices. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 035603	1.8	24
36	Structure and properties of low-phonon antimony glasses and nano glass-ceramics in K ₂ O-B ₂ O ₃ -Sb ₂ O ₃ system. <i>Journal of Non-Crystalline Solids</i> , 2010 , 356, 987-999	3.9	39
35	Structure, dielectric and optical properties of Nd ³⁺ -doped LiTaO ₃ transparent ferroelectric glass-ceramic nanocomposites. <i>Journal of Alloys and Compounds</i> , 2010 , 489, 281-288	5.7	21
34	EPR, FTIR, optical absorption and photoluminescence studies of Fe ₂ O ₃ and CeO ₂ doped ZnO-Bi ₂ O ₃ -B ₂ O ₃ glasses. <i>Journal of Alloys and Compounds</i> , 2010 , 493, 256-262	5.7	91
33	Preparation and Properties of BaBiBO ₄ -BiO ₂ Glasses. <i>International Journal of Applied Glass Science</i> , 2010 , 1, 368-377	1.8	3
32	Chemical synthesis of mesoporous CuO from a single precursor: Structural, optical and electrical properties. <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1900-1904	3.3	51
31	Surface Plasmon Resonance and Enhanced Fluorescence Application of Single-step Synthesized Elliptical Nano Gold-embedded Antimony Glass Dichroic Nanocomposites. <i>Plasmonics</i> , 2010 , 5, 149-159	2.4	85
30	Effects of SiO ₂ and TiO ₂ fillers on thermal and dielectric properties of eco-friendly bismuth glass microcomposites of plasma display panels. <i>Bulletin of Materials Science</i> , 2010 , 33, 33-41	1.7	37
29	Oxidative control of surface plasmon resonance of bismuth nanometal in bismuth glass nanocomposites. <i>Materials Chemistry and Physics</i> , 2010 , 119, 355-358	4.4	29
28	Effects of nano-YAG (Y ₃ Al ₅ O ₁₂) crystallization on the structure and photoluminescence properties of Nd ³⁺ -doped K ₂ O-BiO ₂ -Y ₂ O ₃ -Al ₂ O ₃ glasses. <i>Solid State Sciences</i> , 2010 , 12, 1756-1763	3.4	16
27	Optical and dielectric properties of isothermally crystallized nano-KNbO ₃ in Er ³⁺ -doped K ₂ O-Nb ₂ O ₅ -SiO ₂ glasses. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 243-50	4.4	20
26	Enhanced frequency upconversion of Sm ³⁺ ions by elliptical Au nanoparticles in dichroic Sm ³⁺ : Au-antimony glass nanocomposites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 75, 640-6	4.4	31
25	EPR, optical absorption and photoluminescence properties of MnO ₂ doped 23B ₂ O ₃ -B ₂ O ₃ -ZnO-2Bi ₂ O ₃ glasses. <i>Physica B: Condensed Matter</i> , 2010 , 405, 2157-2161	2.8	31

24	Structure, dielectric and optical properties of transparent Nd ³⁺ : KNbO ₃ nanocrystalline glass-ceramics. <i>Optical Materials</i> , 2010 , 32, 1202-1209	3.3	26
23	Nanosilver enhanced upconversion fluorescence of erbium ions in Er ³⁺ : Ag-antimony glass nanocomposites. <i>Journal of Applied Physics</i> , 2009 , 105, 013102	2.5	132
22	Luminescence and dielectric properties of nano-structured Eu ³⁺ :K ₂ O-Nb ₂ O ₅ -BiO ₂ glass-ceramics. <i>Solid State Sciences</i> , 2009 , 11, 1325-1332	3.4	29
21	Surface plasmon resonance in nano-gold antimony glass-ceramic dichroic nanocomposites: One-step synthesis and enhanced fluorescence application. <i>Applied Surface Science</i> , 2009 , 255, 9447-9452	6.7	33
20	Nanostructuring and fluorescence properties of Eu ³⁺ :LiTaO ₃ in Li ₂ O-Ta ₂ O ₅ -BiO ₂ -Al ₂ O ₃ glass-ceramics. <i>Journal of Materials Science</i> , 2009 , 44, 4495-4498	4.3	7
19	Core-shell Au-Ag nanoparticles in dielectric nanocomposites with plasmon-enhanced fluorescence: A new paradigm in antimony glasses. <i>Nano Research</i> , 2009 , 2, 607-616	10	83
18	Processing and Properties of Eu ³⁺ :LiTaO ₃ Transparent Glass-Ceramic Nanocomposites. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1934-1939	3.8	20
17	Structure and Properties of Low Phonon Antimony Glasses in the K ₂ O-B ₂ O ₃ -B ₂ O ₃ -ZnO System. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 2230-2236	3.8	15
16	Efficient green and red fluorescence upconversion in erbium doped new low phonon antimony glasses. <i>Optical Materials</i> , 2009 , 31, 609-618	3.3	64
15	Plasmon tuning of nano-Au in dichroic devitrified antimony glass nanocomposites by refractive index control. <i>Chemical Physics Letters</i> , 2009 , 479, 100-104	2.5	21
14	Green and red fluorescence upconversion in neodymium-doped low phonon antimony glasses. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 383-389	5.7	47
13	Enhancement of Er ³⁺ upconverted luminescence in Er ³⁺ : Au-antimony glass dichroic nanocomposites containing hexagonal Au nanoparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, B21	1.7	75
12	Infrared-to-red upconversion luminescence in samarium-doped antimony glasses. <i>Journal of Luminescence</i> , 2008 , 128, 1989-1996	3.8	59
11	Blue, green and red upconversions in Ho ₂ O ₃ -doped fluorophosphate glasses. <i>Journal of Non-Crystalline Solids</i> , 2007 , 353, 1377-1382	3.9	14
10	IRRS, UV-Vis-NIR absorption and photoluminescence upconversion in Ho ³⁺ -doped oxyfluorophosphate glasses. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2663-2672	3.3	47
9	Infrared Spectroscopic Method for Determination of Thermal Properties of Fluorophosphate Glasses. <i>Journal of the American Ceramic Society</i> , 2004 , 83, 1305-1307	3.8	11
8	FT-IRRS, UV-Vis-NIR absorption and green upconversion in Er ³⁺ doped lead silicate glass. <i>Journal of Non-Crystalline Solids</i> , 2004 , 342, 132-139	3.9	41
7	Crystallization Kinetics and Mechanism of Low-Expansion Lithium Aluminosilicate Glass-Ceramics by Dilatometry. <i>Journal of the American Ceramic Society</i> , 2002 , 85, 2572-2574	3.8	55

6	UV transparency and structure of fluorophosphate glasses. <i>Materials Letters</i> , 2002 , 57, 953-958	3.3	34
5	Dense silica microspheres from organic and inorganic acid hydrolysis of TEOS. <i>Journal of Non-Crystalline Solids</i> , 2000 , 272, 119-126	3.9	99
4	Hydrolysis-Condensation reactions of TEOS in the presence of acetic acid leading to the generation of glass-like silica microspheres in solution at room temperature. <i>Journal of Materials Chemistry</i> , 2000 , 10, 2289-2293		92
3	Effects of Some Variables on the Point of Zero Charge of TiO ₂ -ZrO ₂ Double Oxides. <i>Bulletin of the Chemical Society of Japan</i> , 1989 , 62, 1373-1375	5.1	
2	Surface Properties of TiO ₂ -ZrO ₂ Powders in Aqueous Suspensions. <i>Transactions of the Indian Ceramic Society</i> , 1987 , 46, 53-54	1.8	2
1	Alkoxide Hydrolysis and Preparation of TiO ₂ Powders. <i>Transactions of the Indian Ceramic Society</i> , 1985 , 44, 10-14	1.8	11