

他誌への発表論文一覧（2024.07-2025.06）

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Multi-user Beam Tracking with a Reconfigurable Intelligent Surface Using Stereo Camera Images	Ebihara Akira (University of Tokyo Graduate School of Engineering) Kumagai Akira (AGC Inc.) Kataoka Mizuki (AGC Inc.) Ui Yutaka (AGC Inc.) Kagaya Osamu (AGC Inc.) Morikawa Hiroyuki (University of Tokyo Graduate School of Engineering) Narusue Yoshiaki (University of Tokyo Graduate School of Engineering)	IEEE Conference Proceedings	2024		2024	EuMC	505-508	10.23919/EuMC61614.2024.10732251
Splitting Conductors of Coils on PCB for AC-resistance Reduction	Nomoto Shunsaku (Nagaoka University of Technology) Shimura Shinjiro (Nagaoka University of Technology) Kusaka Keisuke (Nagaoka University of Technology) Takada Takashi (AGC Inc.)	IEEJ Journal of Industry Applications	2024		13	6	743-744 (J-STAGE)	10.1541/ieejia.L24000436
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Ultra-high refractive niobate-based borate glasses with visible transparent and large elastic properties	Miyoshi, Ryuta Saitoh, Akira Kanno, Naoki Ohara, Seiki Yoshida, Satoshi Hayashi, Hideaki	JOURNAL OF THE CERAMIC SOCIETY OF JAPAN	2024	JUL	132	7	422-426	10.2109/jcersj2.24035
Study on Ultrasonic Propagation Characteristics of Molten Glass using Buffer Rod	勅使川原応恭（東京工大） 菊地航平（東京工大） 並木豊（東京工大） LU Lechen（東京工大） 高橋秀治（東京工大） 木倉宏成（東京工大） 赤木亮介（AGC） 榎本高志（AGC） 吉中泰輝（AGC） 平兼慎司（AGC）	可視化情報シンポジウム（CD-ROM）	2024	JUL	52nd		NONE (COPY NOT AVAILABLE)	
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The Glass Age—Glass for Sustainable Society —	吉田智（AGC Inc.） 大幸裕介（Nagoya Inst. of Technol.） 松岡純（Univ. Shiga Prefecture）	セラミックス	2024	JUL 1	59	7	481-485	
〈DX(デジタルトランスフォーメーション)〉(DX銘柄2023選定組織)AGC化学品カンパニーにおけるスマートプラント実現に向けた取組み	本庄哲（AGC 化学品カンパニー）	高圧ガス	2024	JUL 1	61	7	530-538	
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Numerical Comfort Simulator for Thermal Environment : Part 77 : Analysis of Experiments on Participants' Perception of Coldness in Various Body Parts due to Cold Radiation from Glass with Different Emissivity	龍崎輝 (早稲田大 大学院 創造理工学研究科) 尾関義一 (AGC 先端基盤研) 渡邊侑々子 (日建設計) 渡邊侑々子 (早稲田大 大学院) 森谷泰樹 (早稲田大 大学院 創造理工学研究科) 野元彬久 (カリフォルニア大) 田辺新一 (早稲田大 創造理工)	日本建築学会大会学術講演梗概集・建築デザイン発表梗概集(CD-ROM)	2024	JUL 20	2024		ROMBUNNO. 40333	
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10-Gbit/s Data Transmission Using 120-GHz-Band Contactless Communication with SRR Integrated Glass Substrate	Kumaki, Tomohiro Hirata, Akihiko Saijo, Tubasa Kawamoto, Yuma Nagatsuma, Tadao Kagaya, Osamu	IEICE TRANSACTIONS ON ELECTRONICS	2024	AUG	E107C	8	223-230	10.1587/transele.2023ECP5024
Cellular Uptake of Peptides With Various Fluorine Functional Groups : Effects of Alkyl and Fluoroalkyl Groups	KADOTA Koji (Univ. Tokyo) KOHATA Ai (Univ. Tokyo) AIKAWA Kohsuke (Univ. Tokyo) MORIMOTO Jumpei (Univ. Tokyo) SANDO Shinsuke (Univ. Tokyo) OKAZOE Takashi (AGC Inc. Yokohama Technical Center)	Peptide Science	2024	AUG	2023		95-96	
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Unveiling the relation between multiple chemical products and process conditions for trichloroethylene and perchloroethylene production via catalysis network analysis	Takahashi, Lauren Yamada, Taku Okamoto, Hidekazu Takahashi, Keisuke	CATALYSIS SCIENCE & TECHNOLOGY	2024	AUG 27	14	17	4927-4938	10.1039/d4cy00573b
Orientation Control of Perfluorosulfonic Acid Films via Addition of 1,2,4-Triazole during Casting	Miyajima, Tatsuya Saito, Susumu Okuyama, Takumi Matsushita, Satoshi Shimohira, Tetsuji Matsuba, Go	POLYMERS	2024	SEP	16	17	Article Number : 2533	10.3390/polym16172533
Triboelectric property of alkali-free glass surface-treated with hydrofluoric acid by friction with metals	三浦 崇 (労働安全衛生総合研) 安田 興平 (AGC)	静電気学会講演論文集	2024	SEP	2024		201-202	

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ふっ素塗装鉄筋の付着性能および曲げ補強材としての力学性能評価	宮田涼佑 (長崎大 大学院) 菅原大征 (長崎大 大学院) 山口浩平 (長崎大) 尾知修平 (AGC)	土木学会全国大会年次学術講演会(Web)	2024	SEP	79th		ROMBUNNO. V-77 (WEB ONLY)	
建設現場における資源循環の取組(その1) ～建設現場から排出される廃板ガラスの再資源化実証について～	長谷川由布子 (大成建設) 三野香里 (大成建設) 大久保英也 (大成建設) 佐久間裕子 (大成建設) 小林直也 (AGC) 長尾祥浩 (AGC)	土木学会全国大会年次学術講演会(Web)	2024	SEP	79th		ROMBUNNO. VII-39 (WEB ONLY)	
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Basic characteristics of the next Generation Low-GWP Refrigerant "AMOLEA 1224yd"	杉原大騎 (AGC) 福島正人 (AGC) 橋本真維 (AGC) 速水洋輝 (AGC) 嶋本拓真 (AGC)	日本冷凍空調学会年次大会講演論文集(CD-ROM)	2024	SEP	2024		ROMBUNNO. B132	
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建設廃棄物の再資源化の取組(その1) ～廃板ガラスの再資源化実証における搬出方法の検討について～	長谷川由布子 (大成建設) 三野香里 (大成建設) 大久保英也 (大成建設) 佐久間裕子 (大成建設) 小林直也 (AGC) 長尾祥浩 (AGC)	廃棄物資源循環学会研究発表会講演集(Web)	2024	SEP	35th		227 (J-STAGE)	
Observation of the formation of a zirconium oxide crystal nucleus in the initial nucleation stage in aluminosilicate glass by X-ray multiscale analysis	小野寺陽平 (物質・材料研究機構) 小原真司 (物質・材料研究機構) 滝本康幸 (AGC) 土屋博之 (AGC) LI Qing (AGC) 田尻寛男 (高輝度光科学研究セ) 伊奈稔哲 (高輝度光科学研究セ)	日本セラミックス協会秋季シンポジウム講演予稿集(Web)	2024	SEP 3	37th		ROMBUNNO.2D02 (WEB ONLY)	
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Evaluation of radio wave transmission characteristics of graphene in K band	富澤嵩成 (青山学院大 理工) 奥田峻太 (AGC) 庭野和彦 (AGC) 太田直登 (AGC) 渡辺剛志 (青山学院大 理工) 須賀良介 (青山学院大 理工) 黄晋二 (青山学院大 理工)	応用物理学会秋季学術講演会講演予稿集 (CD-ROM)	2024	SEP 4	85th		ROMBUNNO. 18a-A37-3	
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Fatigue life prediction for off-axis unidirectional carbon fiber reinforced thermoplastic specimens, considering the high hydrostatic pressure condition of the resin	Akita, Yukihito Yoshikawa, N.	ADVANCED COMPOSITE MATERIALS	2024	SEP 6				10.1080/09243046.2024.2399920
Design of Reflectarray Antennas for 300-GHz-band Beam-type Near-field Highly Efficient Wireless Transmission	大野成輝 (東京工大) 戸村崇 (東京工大) 山中大輔 (AGC) 加賀谷修 (AGC)	電子情報通信学会技術研究報告 (Web)	2024	SEP 12	124	189 (AP2024 49-55)	11-14 (WEB ONLY)	
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Microfabrication of Highly Robust Superhydrophobic Glass Surfaces Via Combined Thermal Poling and HF Gas Etching	Yasuda Kohei (AGC Inc.) Yasuda Kohei (Waseda University) Mineyuki Nobuya (AGC Inc.) Mineyuki Nobuya (Hiroshima University) Sano Kohei (Waseda University) Sano Kohei (AGC Inc.) Hayashi Yasuo (AGC Inc.) Homma Takayuki (Waseda University)	ECS Meeting Abstracts	2024	OCT	MA2024-02	16	1648	10.1149/MA2024-02161648mtgabs
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Mechanical Durability of Water Electrolysis Membranes in a Liquid Environment Under Differential Pressure Mode	Ueda Eijun (AGC Inc.) Okada Hideyuki (AGC Inc.) Kato Ryogo (AGC Inc.)	ECS Meeting Abstracts	2024	OCT	MA2024-02	43	2909	10.1149/MA2024-02432909mtgabs
Advancements in the Fabrication of Reinforced Proton Exchange Membranes and Exploration of Next-Generation Membrane Technologies	Chiba Yusuke (AGC Inc.) Hayabe Shintaro (AGC Inc.) Salem William (AGC Chemicals Americas Inc.) Sawada Toshiaki (AGC Inc.)	ECS Meeting Abstracts	2024	OCT	MA2024-02	43	2930	10.1149/MA2024-02432930mtgabs
Evaluation method of dynamic indentation behavior of glass based on electromagnetic induction phenomena	Yoshida, Satoshi Kanehara, Kazuki Nagano, Mikio Sawamura, Shigeki Kobayashi, Yusuke Akiba, Shusaku Koike, Akio Adachi, Tadaharu	INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE	2024	OCT	15	4	421-429	10.1111/ijag.16682
Recent advances in fluorine chemistry using flow technology	Muta, Kensuke Soutome, Hiroki Nagaki, Aiichiro	JOURNAL OF FLUORINE CHEMISTRY	2024	OCT	279		Article Number : 110349	10.1016/j.jfluchem.2024.110349
The Effect of Stress Waves on Crack propagation and Branching Process of Glass Plate subjected to Hypervelocity Impact of Space Debris	長野幹雄 (東大 大学院) 長谷川直 (JAXA) 川合伸明 (防衛大) 吉田智 (AGC) 佐藤英一 (JAXA)	材料の衝撃問題シンポジウム講演論文集 (CD-ROM)	2024	OCT	14th		30-33	
In-situ Observation of Crack Propagation Process of Glass subjected to High-velocity Impact of Small Blunt Object	長野幹雄 (AGC) 小林裕介 (AGC) 梶原貴人 (AGC) 澤村茂輝 (AGC) 吉田智 (AGC)	材料の衝撃問題シンポジウム講演論文集 (CD-ROM)	2024	OCT	14th		41-45	
Fluorocarbon-DNA Conjugates for Enhanced Cellular Delivery : Formation of a Densely Packed DNA Nano-Assembly	Narita, Minako Kohata, Ai Kageyama, Taiichi Watanabe, Honoka Aikawa, Kohsuke Kawaguchi, Daisuke Morihiro, Kunihiko Okamoto, Akimitsu Okazoe, Takashi	CHEMBIOCHEM	2024	OCT 1	25	19		10.1002/cbic.202400436
我が社における自主保安活動の取組み AGC関西工場高砂事業所における自主保安活動の取組み(優良製造所)	藤田英博 (AGC 関西工場)	高圧ガス	2024	OCT 1	61	10	817-818	
Li diffusion in oxygen-chlorine mixed anion borosilicate glasses using a machine-learning simulation	Urata, Shingo Kayaba, Noriyoshi	JOURNAL OF CHEMICAL PHYSICS	2024	OCT 7	161	13	Article Number : 134504	10.1063/5.0222015
Surface Wettability of Partially Fluorinated Polymer Thin Film Having Rich Alternating Sequences	川口大輔 (東大 大学院) 奥田瑞来 (東大 大学院) 増田潤季 (東大 大学院) 木幡愛 (東大 大学院) 中川慎太郎 (東大 先端科学技研セ) 舟橋康佑 (AGC) 柏木王明 (AGC) 杉山徳英 (AGC) 岡添隆 (AGC) 秋山みどり (京大 大学院)	レオロジー討論会講演要旨集 (CD-ROM)	2024	OCT 7	72nd		370-371 (COPY NOT AVAILABLE)	
Study on beam-steering matching elements for 8×1-element waveguide aperture array antennas in 120-GHz	前田陸 (東京科大) 戸村崇 (東京科大) 広川二郎 (東京科大) 山中大輔 (AGC) 木寺信隆 (AGC) 加賀谷修 (AGC)	電子情報通信学会技術研究報告 (Web)	2024	OCT 9	124	206 (AP2024 56-134)	212-215 (WEB ONLY)	

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Highly Alternating Copolymer of [1,1,1] Propellane and Perfluoro Vinyl Ether : Forming Hydrophobic and Oleophobic Surface with <50% Fluorine Monomer Content	Okuda, Mizuki Akiyama, Midori Funahashi, Kosuke Masuda, Junki Kohata, Ai Nakagawa, Shintaro Kashiwagi, Kimiaki Sugiyama, Norihide Okazoe, Takashi Kawaguchi, Daisuke	ACS Macro Letters	2024	OCT 11	13	11	1383-1389	10.1021/acsmacrolett.4c00558
INTRACELLULAR DELIVERY OF MESSENGER RNA BY FLUOROALKYL CHAIN-MODIFIED ARTIFICIAL VIRAL CAPSID	YAMAMOTO Yuka (Tottori Univ.) FURUKAWA Hiroto (Tottori Univ.) INABA Hiroshi (Tottori Univ.) OTA Yu (AGC Inc.) OKAZOE Takashi (AGC Inc.) MATSUURA Kazunori (Tottori Univ.)	ペプチド討論会講演要旨集	2024	OCT 11	61st		158	
イオンアシスト蒸着法によるY2O3膜の耐熱性および耐プラズマ性の向上	小川修平 (AGC)	Fine Ceramics Report	2024	OCT 20	42	4	145-147	
Effect of three-body interaction on structural features of phosphate glasses from molecular dynamics simulations	Marchin, Navid Urata, Shingo Du, Jincheng	JOURNAL OF CHEMICAL PHYSICS	2024	OCT 21	161	15	Article Number : 154507	10.1063/5.0225188
Nanoporous Structure Fabrication on Glass Surfaces for Enhanced Glass Adhesion Using Hydrogen Fluoride Gas	Yasuda, Kohei Mineyuki, Nobuya Hayashi, Yasuo Homma, Takayuki	LANGMUIR	2024	OCT 23	40	44	23465-23472	10.1021/acs.langmuir.4c03143
Exceptionally Short Tetracoordinated Carbon-Halogen Bonds in Hexafluorodihalocubanes	Sugiyama, Masafumi Uetake, Yuta Miyagi, Nozomu Yoshida, Masaaki Nozaki, Kyoko Okazoe, Takashi Akiyama, Midori	Journal of the American Chemical Society	2024	OCT 29	146	44	30686-30697	10.1021/jacs.4c12732
重防食塗装系塗膜の耐候性評価	富山 慎仁 (土木研) 尾知修平 (AGC) 鳴海 瑞菜 (AGC)	鉄構塗装技術討論会発表予稿集	2024	OCT 31	47th		81-86	
Study on Effect of FEPM Blends on PPS	竹中聡史 (AGC) 竹中聡史 (東京科大) 久保山 敬一 (東京科大) 扇澤 敏明 (東京科大)	成形加工シンポジア (CD-ROM)	2024	NOV	32nd		ROMBUNNO. P-71	
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Cystine and tyrosine feed reduces oxidative and ER stress in CHO cells	柴藤祐介 (AGC 横浜テクニカルセ) 長尾信義 (AGC 横浜テクニカルセ) 養王田正文 (東京農工大大学院工学研究院)	日本臨床ストレス応答学会大会抄録集	2024	NOV	18th		27	
Reaction mechanism of aluminosilicate glasses in aqueous solution from reactive molecular dynamics simulations	Kalahe, Jayani Mahadevan, Thiruvilla S. Urata, Shingo Du, Jincheng	MATERIALS LETTERS	2024	NOV 1	374		Article Number : 137176	10.1016/j.matlet.2024.137176
Fuel ammonia for glass melting process to reduce CO2 emission	白井正信 (AGC 先端基盤研)	New Glass	2024	NOV 1	39	3	3-5	
Atomistic Simulations for Investigating Heterogeneous Glass Composite Materials	Urata, Shingo Lodesani, Federica Pedone, Alfonso	セラミックス	2024	NOV 1	59	11	775-778	

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The Tetrafluoroethylene-Mediated Ring-Closing Metathesis : Enabling Unfavored Reactions	Akiyama, Midori Amabe, Yuki Sugiyama, Masafumi Sugiyama, Kanami Gatzenmeier, Tim Okazoe, Takashi	JOURNAL OF THE AMERICAN CHEMICAL SOCIETY	2024	NOV 13	146	47	32550-32557	10.1021/jacs.4c10509
Balancing Color and Hardness in ZnO-Al2O3-SiO2 Glass-Ceramics by Tailoring the ZrO2/TiO2 Nucleating Agents Ratio	Rodrigues, Lorena Raphael dos Santos, Gisele Guimaraes Acosta, Maria Helena Ramirez Koike, Akio Akiba, Shusaku Sawamura, Shigeki Yoshida, Satoshi Mastelaro, Valmor Roberto Nascimento, Otaciro Rangel Zanolto, Edgar Dutra	CRYSTAL GROWTH & DESIGN	2024	NOV 20	24	23	9914-9924	10.1021/acs.cgd.4c01000

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Balancing transparency with enhanced mechanical properties in MgO-Al ₂ O ₃ -SiO ₂ glass-ceramics	Rodrigues, Lorena R. Santos, Gisele G. Acosta, Maria Helena R. Koike, Akio Akiba, Shusaku Sawamura, Shigeki Nagano, Mikio Yoshida, Satoshi Serbena, Francisco C. Zanotto, Edgar D.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2024	DEC	107	12	8101-8116	10.1111/jace.20060
Investigation of the thermal conductivity of SiO ₂ glass using molecular dynamics simulations	Yang, Yongjian Tokunaga, Hirofumi Hayashi, Kazutaka Ono, Madoka Mauro, John C.	JOURNAL OF THE AMERICAN CERAMIC SOCIETY	2024	DEC	107	12	7836-7849	10.1111/jace.20039
Synthesis of bisphenol-A- and bio-based polyarylates via amorphous solid-state polymerization with fluoroalkyl diesters	Taniguchi, Taihei Okazoe, Takashi Matsuoka, Shin-ichi Suzuki, Masato	CHEMISTRY LETTERS	2024	DEC 4	53	12	Article Number : upae213	10.1093/chemle/upae213
Direct Bonding of Amino-Modified Silica and Metal Oxides : Condensation Reactivity Explained by Acidity/Basicity of Metal-Hydroxyl Groups	Nagai, Sho Hayashi, Yasuo Urashima, Shu-hei Yui, Hiroharu	JOURNAL OF PHYSICAL CHEMISTRY C	2024	DEC 7	128	50	21399-21407	10.1021/acs.jpcc.4c06046
Adaptive soft-sensor update by Latest Sample Targeting Frustratingly Easy Domain Adaptation	Katayama, Kaito Yamamoto, Kazuki Fujiwara, Koichi	CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS	2024	DEC 15	255		Article Number : 105246	10.1016/j.chemolab.2024.105246
MS-DIAL 5 multimodal mass spectrometry data mining unveils lipidome complexities	Takeda, Hiroaki Matsuzawa, Yuki Takeuchi, Manami Takahashi, Mikiko Nishida, Kozo Harayama, Takeshi Todoroki, Yoshimasa Shimizu, Kuniyoshi Sakamoto, Nami Oka, Takaki Maekawa, Masashi Chung, Mi Hwa Kurizaki, Yuto Kiuchi, Saki Tokiyoshi, Kanako Buyantogtokh, Bujinlkham Kurata, Misaki Kvasnicka, Ales Takeda, Ushio Uchino, Haruki Hasegawa, Mayu Miyamoto, Junki Tanabe, Kana Takeda, Shigenori Mori, Tetsuya Kumakubo, Ryota Tanaka, Tsuyoshi Yoshino, Tomoko Okamoto, Mami Takahashi, Hidenori Arita, Makoto Tsugawa, Hiroshi	Nature Communications	2024	DEC 31	15	1	9903	10.1038/s41467-024-54137-w

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Convergent approach for direct cross-coupling enabled by flash irreversible generation of cationic and anionic species	Soutome, Hiroki Yamashita, Hiroki Shimizu, Yutaka Takumi, Masahiro Ashikari, Yosuke Nagaki, Aiichiro	Nature Communications	2024	DEC 31	15	1	4873	10.1038/s41467-024-48723-1
Proton-exchange membranes: design strategies for water electrolysis	Chiba, Yusuke Hayabe, Shintaro Sawada, Toshiaki Tsukumoto, Shunsuke Salem, Will	Chemical Engineering (Rockville, MD, United States)	2025		132	2	31-33	
Development of a macrophage platform for carrying chimeric antigen receptors	Fukuda, Kyoko Kariya, Masahiro Li, Yilan Ohnuki, Kazunobu Kinoshita, Hiroki Saito, Keigo Ide, Masamichi Nakatsura, Tetsuya Hagiya, Yuichiro Liu, Tianyi Uemura, Yasushi	CANCER SCIENCE	2025	JAN	116	S1	321-321	
Fin angles optimization of water-cooled plate-fin heat sink based on anisotropic Darcy-Forchheimer theory	Yanagihara, Kazutaka Murakoshi, Shomu Takezawa, Akihiro	INTERNATIONAL JOURNAL OF HEAT AND MASS TRANSFER	2025	JAN	236	Part2	Article Number : 126325	10.1016/j.jheatmasstransfer.2024.126325
Evaluation of crack initiation load of silica glass surfaces formed during subcritical crack growth	Endo, Jun Sekine, Tomomi Shimizu, Souta Yoshida, Satoshi	Journal of the American Ceramic Society	2025	JAN	108	1	e20115	10.1111/jace.20115
Reduction of Pressure Distribution Variation in Press Mold Based on Variable Lattice Optimization	Yanagihara, Kazutaka Takezawa, Akihiro	JOURNAL OF MANUFACTURING SCIENCE AND ENGINEERING-TRANSACTIONS OF THE ASME	2025	JAN 1	147	1	Article Number : 11003	10.1115/1.4065559
Investigating sulfur valence depth profile on float glass surfaces using electron probe microanalysis and stepwise etching	Saijo, Yoshitaka Harako, Susumu	JOURNAL OF NON-CRYSTALLINE SOLIDS	2025	JAN 1	647		Article Number : 123282	10.1016/j.jnoncrysol.2024.123282
2025年プラスチック産業の展望 ふっ素樹脂〈市場・技術動向・環境規制〉	川浪充眞 (AGC)	プラスチックス	2025	JAN 10	76	1	39-44	
Design of compliant thermal actuators using topology optimization involving design-dependent thermal convection and pressure load	Onodera, Shuya Yamada, Takayuki	COMPUTERS & STRUCTURES	2025	JAN 15	307		Article Number : 107600	10.1016/j.compstruc.2024.107600
先進セラミックスの成形に寄与する粉体技術 セラミックスの品質と信頼性向上のためのプロセス技術—加圧成形を例として—	篠原伸広 (AGC)	化学装置	2025	FEB 1	67	2	16-22	
Hydration characteristics of blood-compatible poly(2-methoxyethyl acrylate) (PMEA) polymer chains at infinite dilution	Yadav, Hari O. S. Chauhan, Ritika Kuo, An-Tsung	MOLECULAR SIMULATION	2025	FEB 11	51	3	179-187	10.1080/08927022.2025.2467216
Formation of biobased-polycarbonates via amorphous solid-state polymerization of isosorbide/isomannide with fluorinated carbonate	Taniguchi, Taihei Okazoe, Takashi Matsuoka, Shin-ichi Suzuki, Masato	BULLETIN OF THE CHEMICAL SOCIETY OF JAPAN	2025	MAR 4	98	3	Article Number : uoaf012	10.1093/bulcsj/uoaf012
Development of Photocurable Resins Exhibiting a High Refractive Index and Low Abbe Number for Optical Applications	Sakurada, Tomoaki Tomita, Ryo Takagi, Keisuke Ueki, Shinji	ACS APPLIED POLYMER MATERIALS	2025	MAR 5	7	5	3318-3323	10.1021/acsapm.4c04187
Polynorbornenes Bearing Cyclic Fluoroalkyl Side Groups for Achieving High Glass Transition Temperature and Low Refractive Index	Uno, Makoto Sugiyama, Masafumi Okazoe, Takashi Kawaguchi, Daisuke	MACROMOLECULES	2025	MAR 13	58	6	3221-3230	10.1021/acs.macromol.4c03185
Comparison of the effects of perfluoroalkyl and alkyl groups on cellular uptake in short peptides	Kadota, Koji Kohata, Ai Sando, Shinsuke Morimoto, Jumpei Aikawa, Kohsuke Okazoe, Takashi	RSC ADVANCES	2025	MAR 17	15	11	8189-8194	10.1039/d5ra00304k

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Relationship between the boson peak and first sharp diffraction peak in glasses	Kyotani, Dan Oh, Soo Han Kitani, Suguru Fujii, Yasuhiro Hijiya, Hiroyuki Mizuno, Hideyuki Kohara, Shinji Koreeda, Akitoshi Masuno, Atsunobu Kawaji, Hitoshi Kojima, Seiji Yamamoto, Yohei Mori, Tatsuya	Scientific Reports	2025	MAR 20	15	1	9617	10.1038/s41598-025-94454-8
Electromagnetic Interference Shielding Property of p-Doped Graphene with Large Area and High Optical Transparency Characterized through Free-Space Measurement	Okuda, Ryota Niwano, Kazuhiko Oota, Naoto Tomizawa, Kosei Shinada, Yamato Suga, Ryosuke Watanabe, Takeshi Koh, Shinji	ACS APPLIED ENGINEERING MATERIALS	2025	MAR 21	3	4	857-866	10.1021/acsaenm.4c00842
Low-temperature atomic layer etching of platinum via sequential wet-like reactions of plasma oxidation and complexation	Nguyen, Thi-Thuy-Nga Akagi, Daijiro Okato, Takeshi Ishikawa, Kenji Hori, Masaru	APPLIED SURFACE SCIENCE	2025	APR 1	687		Article Number : 162325	10.1016/j.japsusc.2025.162325
Assessment of the X-ray-induced damage to sulfur in glass by laboratory X-ray fluorescence and wet chemical analysis.	Saijo, Yoshitaka Hijiya, Hiroyuki	Analytical sciences : the international journal of the Japan Society for Analytical Chemistry	2025	APR29	41	7	1007-1013	10.1007/s44211-025-00777-x
Special Issue on Advanced Image Processing Techniques for Robotics and Automation (Part 1)	Yamashita, Atsushi Nakamura, Akio Kurumisawa, Makoto	INTERNATIONAL JOURNAL OF AUTOMATION TECHNOLOGY	2025	MAY	19	3	177-177	10.20965/ijat.2025.p0177
Low Loss Quartz Multilayer Substrates and Substrate Integrated Two-Plane Hybrid Couplers Enabled by Copper Direct Bonding	Tomura, Takashi Hirokawa, Jiro Kagaya, Osamu Kidera, Nobutaka Yamanaka, Daisuke Furukawa, Hisaaki Miyatani, Katsuaki	IEEE JOURNAL OF MICROWAVES	2025	MAY 21	5	4	1003-1014	10.1109/JMW.2025.3566010
Topology optimization for coupled thermomechanical problems with approximated thermal radiation boundary conditions depending on design variables	Onodera, Shuya Yamada, Takayuki	APPLIED MATHEMATICAL MODELLING	2025	JUN	142		Article Number : 115959	10.1016/j.apm.2025.115959
Ultrahigh-speed laser drilling of transparent materials via transient electronic excitation	Zhang, Yanming Koike, Takumi Yoshizaki, Reina Ren, Guoqi Shibata, Akihiro Kiriake, Sota Hasegawa, Ryota Nagasawa, Ikuo Nagato, Keisuke Sugita, Naohiko Ito, Yusuke	SCIENCE ADVANCES	2025	JUN 11	11	24	Article Number : eadv4436	10.1126/sciadv.adv4436