Table 1. The optical constants for the materials examined.

	ACAR		BE		ACH2	
E, eV	n	k	n	k	n	k
6.208–4	8.470	1.668	14.735	4.940		
6.771–4	8.511	1.693	14.377	4.857		
7.386–4	8.472	1.774	14.187	4.675		
8.057–4	8.328	1.879	14.025	4.726		
8.789–4	8.147	1.889	13.730	4.732		
9.588–4	7.993	1.860	13.450	4.699		
1.046–3	7.878	1.815	13.183	4.662		
1.141–3	7.786	1.781	12.922	4.625		
1.244–3	7.708	1.758	12.664	4.596		
1.358–3	7.640	1.757	12.394	4.576	15.748	5.671
1.481–3	7.559	1.776	12.103	4.543	15.486	5.879
1.615–3	7.463	1.798	11.812	4.477	15.117	6.097
1.762–3	7.353	1.822	11.547	4.390	14.680	6.216
1.922–3	7.221	1.832	11.315	4.305	14.326	6.260
2.097–3	7.097	1.807	11.101	4.244	14.042	6.375
2.287–3	7.009	1.780	10.882	4.209	13.727	6.573
2.495–3	6.932	1.783	10.632	4.185	13.335	6.812
2.721–3	6.835	1.809	10.350	4.123	12.847	7.045
2.969–3	6.703	1.819	10.117	4.004	12.273	7.210
3.238–3	6.596	1.791	9.987	3.903	11.612	7.184
3.532–3	6.499	1.797	9.755	3.942	11.398	7.257
3.853–3	6.375	1.799	9.486	3.891	10.732	7.483
4.203–3	6.260	1.791	9.282	3.807	10.078	7.409
4.585–3	6.138	1.758	9.074	3.748	9.558	7.328
5.002–3	6.046	1.754	8.863	3.711	8.997	7.384
5.456–3	5.913	1.736	8.655	3.640	8.506	7.304
5.952–3	5.821	1.699	8.453	3.593	7.921	7.208
6.492–3	5.701	1.677	8.227	3.555	7.428	7.066
7.082–3	5.608	1.611	8.026	3.444	6.773	6.949
7.725–3	5.533	1.610	7.813	3.395	6.232	6.707
8.427–3	5.450	1.549	7.611	3.302	5.711	6.309
9.192–3	5.379	1.537	7.437	3.211	5.279	6.105
1.003–2	5.299	1.514	7.260	3.151	4.888	5.794
1.094–2	5.230	1.501	7.080	3.057	4.612	5.450
1.193–2	5.156	1.508	6.917	2.990	4.299	5.156
1.302–2	5.039	1.497	6.758	2.898	3.985	4.916
1.420–2	4.929	1.458	6.597	2.838	3.629	4.546
1.549–2	4.849	1.406	6.449	2.754	3.588	4.155
1.689–2	4.791	1.371	6.288	2.676	3.283	3.960
1.843–2	4.737	1.355	6.162	2.595	3.108	3.646
2.010–2	4.669	1.340	6.019	2.500	2.980	3.392
2.193–2	4.598	1.320	5.912	2.431	2.875	3.148
2.392–2	4.528	1.306	5.809	2.366	2.797	2.923
2.609–2	4.468	1.290	5.704	2.311	2.702	2.738
2.846–2	4.391	1.298	5.593	2.260	2.611	2.533
3.105–2	4.319	1.253	5.491	2.213	2.568	2.333
3.387–2	4.263	1.240	5.382	2.176	2.501	2.203
3.694–2	4.206	1.248	5.274	2.130	2.445	2.061
4.030–2	4.100	1.258	5.160	2.108	2.358	1.922
4.396–2	4.010	1.216	5.030	2.057	2.315	1.775
4.795–2	3.946	1.186	4.912	2.009	2.280	1.634
5.231–2	3.886	1.154	4.802	1.963	2.253	1.532
5.706–2	3.818	1.141	4.702	1.900	2.217	1.425
6.224–2	3.734	1.101	4.601	1.829	2.197	1.319
6.790–2	3.700	1.065	4.527	1.812	2.177	1.247
7.407–2	3.650	1.044	4.427	1.753	2.156	1.172
8.079–2	3.612	1.032	4.348	1.712	2.115	1.111
8.813–2	3.558	1.032	4.263	1.677	2.093	1.035
9.614–2	3.489	1.005	4.129	1.649	2.059	0.972
1.049–1	3.447	0.979	4.084	1.593	2.038	0.921
1.144–1	3.412	0.967	4.008	1.535	2.013	0.854
1.248–1	3.373	0.979	3.971	1.534	1.997	0.814
1.361–1	3.295	0.997	3.857	1.555	1.964	0.769
1.485–1	3.205	0.976	3.723	1.519	1.931	0.729
1.620–1	3.126	0.937	3.599	1.453	1.901	0.671
1.767–1	3.070	0.884	3.509	1.339	1.885	0.621
1.927–1	3.026	0.853	3.468	1.278	1.889	0.575
2.102–1	3.000	0.804	3.425	1.178	1.857	0.559
2.293–1	2.990	0.771	3.443	1.144	1.842	0.484
2.502–1	2.973	0.774	3.418	1.148	1.842	0.457
2.729–1	2.933	0.770	3.366	1.142	1.831	0.430
2.977–1	2.897	0.760	3.325	1.123	1.828	0.399
3.247–1	2.860	0.754	3.268	1.122	1.820	0.374
3.542–1	2.827	0.754	3.216	1.106	1.816	0.356
3.864–1	2.784	0.737	3.168	1.100	1.803	0.328
4.215–1	2.754	0.732	3.123	1.081	1.799	0.309
4.598–1	2.719	0.725	3.076	1.075	1.793	0.287
5.015–1	2.685	0.720	3.040	1.075	1.793	0.270
5.471–1	2.654	0.713	2.992	1.077	1.792	0.257
5.968–1	2.616	0.714	2.945	1.084	1.788	0.244
6.510–1	2.576	0.715	2.891	1.093	1.783	0.235
7.101–1	2.541	0.710	2.840	1.097	1.782	0.224
7.746–1	2.507	0.707	2.785	1.109	1.779	0.214
8.450–1	2.477	0.705	2.728	1.117	1.779	0.208
9.217–1	2.441	0.706	2.677	1.132	1.778	0.202
1.005+0	2.412	0.707	2.612	1.152	1.778	0.198
1.097+0	2.378	0.710	2.545	1.166	1.778	0.195
1.196+0	2.349	0.716	2.477	1.181	1.779	0.195
1.305+0	2.314	0.730	2.406	1.195	1.780	0.198
1.424+0	2.271	0.737	2.335	1.216	1.779	0.200
1.553+0	2.235	0.739	2.246	1.241	1.781	0.203
1.694+0	2.203	0.751	2.146	1.249	1.786	0.212
1.848+0	2.165	0.766	2.049	1.248	1.790	0.224
2.016+0	2.123	0.782	1.952	1.242	1.794	0.240
2.199+0	2.080	0.799	1.852	1.232	1.798	0.264
2.398+0	2.033	0.818	1.749	1.213	1.795	0.295
2.616+0	1.980	0.839	1.647	1.181	1.784	0.330
2.854+0	1.919	0.860	1.552	1.139	1.765	0.365
3.113+0	1.851	0.878	1.466	1.093	1.739	0.400
3.396+0	1.776	0.891	1.383	1.046	1.706	0.433
3.705+0	1.694	0.897	1.301	0.994	1.665	0.462
4.041+0	1.607	0.894	1.221	0.935	1.619	0.485
4.408+0	1.512	0.889	1.146	0.862	1.568	0.501
4.808+0	1.392	0.854	1.080	0.778	1.515	0.504
5.245+0	1.289	0.764	1.041	0.679	1.469	0.504
5.722+0	1.235	0.654	1.021	0.596	1.422	0.494
6.241+0	1.225	0.553	1.011	0.506	1.381	0.478
6.808+0	1.256	0.463	1.047	0.424	1.366	0.463
7.427+0	1.326	0.428	1.097	0.386	1.346	0.465
8.101+0	1.371	0.450	1.135	0.413	1.321	0.478
8.837+0	1.386	0.509	1.103	0.423	1.279	0.494
9.640+0	1.351	0.560	1.074	0.420	1.231	0.495
1.052+1	1.293	0.601	1.043	0.400	1.177	0.498
1.147+1	1.214	0.622	1.012	0.379	1.116	0.484
1.251+1	1.127	0.617	0.985	0.346	1.061	0.454
1.365+1	1.040	0.586	0.966	0.312	1.015	0.415
1.489+1	0.969	0.530	0.953	0.279	0.982	0.370
1.624+1	0.921	0.466	0.943	0.247	0.961	0.329
1.772+1	0.888	0.403	0.936	0.218	0.944	0.293
1.933+1	0.868	0.341	0.930	0.191	0.931	0.256
2.108+1	0.861	0.283	0.922	0.160	0.922	0.221
2.300+1	0.861	0.232	0.921	0.119	0.917	0.189
2.508+1	0.866	0.186			0.914	0.157
2.736+1	0.874	0.144			0.914	0.123
2.985+1	0.892	0.100			0.925	0.086
3.090+1	0.910	0.081			0.939	0.069