**Ovid Medline**

| Search Lines | Search Terms |
|--------------|--------------|
| 1            | exp "Optics and Photonics"/ |
| 2            | (optic* or photonic*).mp. |
| 3            | 1 or 2 |
| 4            | exp Refractive Errors/ or exp Refraction, Ocular/ or exp Astigmatism/ or exp Myopia/ or exp Visual Acuity/ |
| 5            | (aberrat* or diffract* or refract* or HOA).mp. |
| 6            | 4 or 5 |
| 7            | exp Lenses, Intraocular/ |
| 8            | (intraocular lens or intra-ocular lens or intra ocular lens or IOL or IOLs or lens prosthes* or artificial lens).mp. |
| 9            | 7 or 8 |
| 10           | (multifocal or multi focal or multi-focal or bifocal or bi-focal or trifocal or tri-focal or hybrid).mp. |
| 11           | 3 and 6 and 9 and 10 |

**Ovid Embase**

| Search Lines | Search Terms |
|--------------|--------------|
| 1            | exp optics/ |
| 2            | (optic* or photonic*).mp |
| 3            | 1 or 2 |
| 4            | exp eye refraction/ |
| 5            | (aberrat* or diffract* or refract* or HOA).mp |
| 6            | 4 or 5 |
| 7            | exp lens implant/ |
| 8            | (intraocular lens or intra-ocular lens or intra ocular lens or IOL or IOLs or lens prosthes* or artificial lens).mp. |
| 9            | 7 or 8 |
| 10           | (multifocal or multi focal or multi-focal or bifocal or bi-focal or trifocal or tri-focal or hybrid).mp |
| 11           | 3 and 6 and 9 and 10 |